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ANNUAL SUMMARY

OF

BIRTHS, DEATHS, AND CAUSES OF DEATH

IN

LONDON,

AND OTHER GREAT TOWNS,

1886.

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REGISTRATION LONDON.

AREA.—The Area of Registration London is 78,052 acres or 122 square miles, including 2718 acres of tidal water ; this is equal to 31,585 hectares, or 316 square kilometers. The length of the streets and roads is more than 1600 miles. The Area of London being 122 square miles is equal to a square of about 11 miles to the side.

ELEVATION.—The population of London resides at a mean elevation of 39 feet (11·9 metres) above Trinity high-water mark ; the elevation varying from 11 feet (3·4 metres) below high-water mark in Plumstead Marshes, to 429 feet (131 metres) above high-water mark in Hampstead.

HOUSES.—At the Census in 1881 there were within this area 486,186 inhabited houses, containing an average of 7·8 persons to a house, exactly corresponding with the proportion in 1861 and in 1871.

ANNUAL RATEABLE VALUE. — The Annual Rateable Value of Property in the Metropolis, in April 1881, as assessed in accordance with the Valuation (Metropolis) Act, 1869, was £27,402,509.* (For Annual Rateable Value of Greater London, see Table 8.)

DENSITY (1886).—136 persons to a hectare; 55·1 persons to an acre; 35,252 to a square mile. (In these calculations no account is taken of tidal water.)

ANNUAL RATE OF INCREASE OF POPULATION PER CENT.	1861–71.	1·50
	1871–81.	1·61

1886.

POPULATION (Estimated to the middle of the year.)	Males	1,954,346	PERSONS.	4,149,533
	Females	2,195,187		
MARRIAGES				34,446
PERSONS MARRIED				68,892
ANNUAL RATE OF PERSONS MARRIED PER 1000 OF THE POPULATION				16·6
BIRTHS	Males	68,176	PERSONS.	133,700
	Females	65,524		
ANNUAL RATE OF BIRTHS PER 1000 OF THE POPULATION				32·3
DEATHS	Males	42,081	PERSONS.	82,276
	Females	40,195		
ANNUAL RATE OF MORTALITY PER 1000	Males	21·6	PERSONS.	19·9
	Females	18·4		
EXCESS OF REGISTERED BIRTHS OVER DEATHS				51,424
ESTIMATED INCREASE OF POPULATION				66,132

* This amount represents the Annual Rateable Value of Property within the District of the Metropolitan Board of Works, as defined by the Metropolis Local Management Act, 1855 (18 & 19 Vict. c. 120.) The District of the Metropolitan Board of Works is identical with that adopted for Poor Law and Registration purposes, except that the hamlet of Penge, in Croydon District, is situated within the District of the Metropolitan Board of Works, but is excluded from Registration London; and the hamlet of Mottingham, in Lewisham District, is ncluded with Registration London, but excluded from the District of the Metropolitan Board.

ANNUAL SUMMARY.

LONDON,

AND OTHER GREAT TOWNS,

1886.

General Register Office, Somerset House,
28th February, 1887.

The Great Towns.

THE twenty-eight great towns of England and Wales that have a place in the Weekly Returns contained an estimated population of 9,093,817 persons in the middle of 1886. The births recorded among this population in the course of the 52 weeks ending on January 1st, 1887, were 300,635, and in the proportion of 33·2 per 1000 of the population in a fully completed year, the average rate for the preceding 10 years having been 35·9. The deaths registered in the 52 weeks numbered 189,629, being in the proportion of 20·9 in a year per 1000 living, the mean rate in the ten next preceding years having been 22·4.

The death-rate varied greatly in the different towns, ranging from 17·1 in Brighton, 18·2 in Derby, and 18·8 in Hull, to 25·5 in Blackburn, 26·3 in Manchester, and 28·9 in Preston. Owing, however, to the great differences between one town and another, in regard to the age and sex distribution of their respective populations, these recorded death-rates require correction before they can be justly used for purposes of comparison; and factors were given in the Annual Summary for 1883, by which such correction can be made with approximate accuracy. Applying these factors we have the corrected rates, which are given in the second column of the following Table. In the third column the death-rate for all England and Wales has been taken as 1000, and the corrected rate in each town has been reduced to a figure comparable with that standard. That third column may be read as follows:—After making approximate correction for differences of age and sex distribution, the same number of living persons that gave 1000 deaths in England and Wales gave 915 deaths in Brighton, 982 deaths in Derby, &c. &c., and 1630 deaths in Preston.

RECORDED and CORRECTED DEATH-RATES per 1000 in 28 Great Towns in 1886.

TOWNS, in the order of their Corrected Death-rates.	Recorded Death-rate.	Corrected Death-rate.	Comparative Mortality Figure.
Cols.	1.	2.	3.
ENGLAND AND WALES -	19·27	—	1000
ENGLAND AND WALES LESS THE 28 TOWNS -	18·47	17·82	925
28 TOWNS -			
Brighton - - - -	17·12	17·63	915
Derby - - - -	18·19	18·92	982
Hull - - - -	18·85	19·45	1009
Bristol - - - -	19·32	20·00	1038
Sunderland - - -	19·51	20·31	1054
Birkenhead - - -	19·14	20·47	1062
London - - - -	19·90	21·12	1096
Bradford - - - -	19·15	21·15	1098
Leicester - - - -	20·26	21·22	1101
Birmingham - - -	19·93	21·25	1103
Sheffield - - - -	19·78	21·27	1104
Huddersfield - - -	19·58	21·50	1116
Nottingham - - -	20·36	21·58	1120
Norwich - - - -	23·32	22·31	1158
Wolverhampton - -	22·23	22·92	1189
Plymouth - - -	23·48	23·25	1207
Leeds - - - -	21·90	23·41	1215
Newcastle-on-Tyne - -	22·25	23·55	1222
Salford - - - -	22·05	24·00	1245
Portsmouth - - -	23·81	24·53	1273
Cardiff - - - -	22·60	24·53	1273
Halifax - - - -	22·75	24·72	1283
Oldham - - - -	22·79	25·29	1312
Bolton - - - -	23·14	25·36	1316
Liverpool - - -	23·82	26·13	1356
Blackburn - - -	25·53	27·82	1444
Manchester - - -	26·34	29·35	1523
Preston - - - -	28·93	31·42	1630

Particulars of the registered mortality in the Great Towns, are given in Tables 1 to 4. The total deaths from *small-pox* in their aggregate population were only 70, being one twentieth part of the annual average for the ten preceding years. Of these 70 deaths, 29 occurred in Liverpool, 24 in London, 7 in Bristol, and 10 in the other towns. The mortality from measles, scarlet-fever, whooping-cough, and fever respectively was below the decennial average; while there was an increase under the headings diphtheria and diarrhœa. The highest rates from the several principal zymotic diseases were as follows; from *measles* 2·02 in Blackburn, and 2·08 in Preston; from *scarlet fever* 0·57 in Leeds and 0·79 in Salford; from *diphtheria* 0·46 in Portsmouth, the town in which also the decennial rate from this disease was the highest; from *whooping-cough* 0·69 in London and in Manchester, and 0·75 in Portsmouth; from *fever*, mainly enteric, 0·58 in Plymouth, 0·59 in Preston, 0·70 in Cardiff, and 0·91 in Portsmouth; and from *diarrhœa* 2·06 in Preston, and 2·43 in Norwich. The highest rates from these seven causes in the aggregate were in Portsmouth and in Preston, while the lowest were in Brighton, Derby, and Huddersfield.

In fifty other Town Districts (Table 5.) which, though not so large as the twenty-eight Great Towns, are yet of considerable size, and contain in the aggregate a population of nearly 3 millions, the death-rate in the year was 19·9 per 1000, and exactly the same as that of London. The recorded death-rates ranged in these fifty Districts from 14·7 in Gloucester, 14·8 in Hastings, and 15·2 in Burton-on-Trent, and in Barrow-in-Furness, to 25·1 in Ashton-under-Lyne, 26·3 in Ystradyfodwg, and 26·5 in Merthyr Tydfil.

The infantile death-rate, or proportion of deaths of infants in the first year of life to 1000 births, was 150 in England and Wales; 164 in the fifty Large Town Districts, and 169 in the twenty-eight Great Towns. The proportion, however, reached 202 in Norwich, 209 in Blackburn, 211 in Leicester, and 233 in Preston.

London.

The year 1886 was again a year of remarkably low rates; the marriage-rate being the lowest on record; the birth-rate the lowest since 1850; and the death-rate lower than in any previous year, excepting 1885.

Marriages.

The marriages celebrated in London in 1886 numbered 34,446, giving a proportion of 16·6 persons married to 1000 inhabitants. This is the lowest marriage-rate as yet recorded in London; the three next lowest, moreover, being those recorded in the three immediately preceding years 1883–4–5, in which the rates were successively 17·9, 17·6, and 16·9.

Births.

The births registered in London in 1886 (52 weeks) numbered 133,700, giving the proportion of 32·3 births in the year to 1000 inhabitants. This is the lowest rate on record since 1850, when the rate was 32·0. In 1876 the rate was 35·9, but from that date it has fallen continuously. The excess of births over deaths, or natural increment of the population, was 51,424, having averaged 53,001 in the three immediately preceding years.

Deaths.

The deaths registered* in the year (52 weeks) numbered 82,276, and corresponded to an annual rate of 19·9 per 1000. The rate in the immediately preceding year was 19·8, but with this one exception the rate in 1886 was the lowest recorded since the present system of civil registration began. The marked decline in the death-rates of recent years has been doubtlessly in some part due to the decline in the birth-rate, which must have materially diminished the proportion of children under five in the total population. Had the birth-rate in the successive five years 1882–1886 been equal to the birth-rate in the ten years 1871–80 there would have been, so nearly as can be estimated, some 50,000 more children under five living in 1886, and as the mortality in this first life-period is high, the general

* The mortality figures in the Annual Summaries have always hitherto been confined to the deaths *registered* within the London registration area; but the recent institution of small-pox hospitals outside that area for the use of London residents renders such figures useless so far as that disease is concerned, for practical purposes. Consequently in future Summaries such hospitals will be considered to form part of the London registration area. In the present Summary this course has also been adopted, and corrections have been made in the figures relating to the years 1884 and 1885 for small-pox deaths, of London residents, in the Metropolitan Asylum Hospitals situated outside Registration London.

death-rate would have been raised; and at a rough estimate, would have been about 20·4, instead of being, as it was, 19·9. It would still, therefore, have been exceptionally low.

The following Table shows in a summary form the amount of life saved and the amount lost in the year, compared with the mean annual mortality in the preceding decennium, under each of the more important headings in the list of causes.

DIMINUTION OF EXCESS of DEATHS in 1886, compared with Annual Deaths in 1876–85, corrected for increase of Population.

CAUSE OF DEATH.	Diminution in 1886.	Excess in 1886.
Small-pox	1,194	—
Measles	321	—
Scarlet Fever	1,452	—
Typhus	82	—
Whooping-cough	344	—
Diphtheria and Croup	87	—
Simple and Ill-defined Fever	81	—
Enteric Fever	320	—
Diarrhœal Diseases	—	720
Hydrophobia	—	—
Erysipelas	101	—
Alcoholism, &c.	7	—
Cancer	—	194
Phthisis and Tubercular Diseases	1,195	—
Premature Birth	—	218
Diseases of Nervous System	759	—
Diseases of Circulatory System	—	742
Diseases of Respiratory System	665	—
Diseases of Urinary System	—	203
Childbirth and Puerperal Fever	76	—
Accident	313	—
Murder, Manslaughter	20	—
Suicide	—	36
All other Causes	1,161	—
	8,178	2,113
Balance of Diminution and Excess	6,065	—

If the foregoing Table be compared with the corresponding Tables in the Annual Summaries for 1883, 1884, and 1885, it will be seen that under four of the six headings which show an increased mortality in 1886, namely, Cancer, Premature Birth, Diseases of the Circulatory System, and Diseases of the Urinary System, there was also an increase in each of those three preceding years. The mortality, then, attributed to these causes, would appear to be persistently increasing; an increase, however, which is not peculiar to London, but is shared, as the Annual Reports show, by the rest of the country. Much the same may be said of another of the headings, which show an increase in 1886, namely, Suicide; for though there was a diminution of these deaths in 1885, there was an excess both in 1883 and in 1884. There remains, therefore, only one heading among those showing an increase in 1886, in which such increase was not part of a general or continuous rise, namely Diarrhœa. Under this heading were registered 720 deaths more than the decennial average, after correction for growth of population. This increase was due to the hot weather that prevailed through the summer, the mean temperature for each month from July to October, inclusively, having been considerably above the previous average.

Turning now to the column in the Table for 1886 under which diminished mortalities are shown, it will be found that here also most of the changes are not peculiar to the year 1886, but are parts of a change that has been going on for a considerable time. There are altogether 17 headings under which a diminution is shown, and under no less than 11 of these there was also a diminution in each of the three preceding years; namely, under scarlet fever, typhus, simple continued fever, enteric fever, erysipelas, phthisis and tubercular diseases, diseases of the nervous system, diseases of the respiratory system, accident, murder, and the aggregate of all other causes than those specially enumerated in the Table. This persistency of decrease affords fair grounds for expectation that the diminution under, at any rate, some of these headings will be permanently maintained.

The deaths from small-pox, including those which occurred in the Metropolitan Asylum Hospital, Dartford, were only 24 in number, and fewer, not merely relatively to the population but absolutely, than in any year since the present system of civil registration began; the years which most nearly approached this minimum being 1875, 1874, 1873, and 1883. The mean annual mortality from this disease in the six years as yet elapsed of the current decennium was 0·24 per 1000, and lower than in any previous decennium. In the 16 years (1871–86) that have elapsed since the institution of the Metropolitan Asylum Hospitals the small-pox rate in London has been 0·38 per 1000, and lower than the rate in four of the other great towns, viz., Sunderland, Newcastle-on-Tyne, Norwich, and Wolverhampton, while it has been scarcely above that of three others, viz., Liverpool, Salford, and Portsmouth; and this is the more noticeable inasmuch as in the decennium (1861–70) that immediately preceded the opening of the hospitals the London rate was higher than in any of these towns, with the exception of Liverpool, with which it was nearly equal.

London, then, in spite of the disadvantage it suffers from its perpetually shifting population and its comparative neglect of vaccination, has improved its position in regard to small-pox among the great towns since 1861–70. But the case is otherwise if London be compared with the aggregate provinces, *i.e.*, the whole of England and Wales without London itself. For while the provincial rate has fallen very greatly, the London rate has lagged behind, so that the difference between the two has become wider and wider. It has been suggested that this may be perhaps attributable to the opening of the Metropolitan Hospitals in 1871, and that these Hospitals, instead of fulfilling their purpose of checking the outbreaks of small-pox, may have had the contrary effect, and aggravated their intensity. An examination, however, of the successive rates shows that the increase in the difference between the London and the provincial rates dates from a time long anterior to the opening of the hospitals, and, if successive decennia be compared with their immediate predecessors, was indeed greater in the decennium 1861–70, which preceded the institution of these hospitals, than in 1871–80, the decennium which followed it. In 1851–60, for equal numbers living, there were to 100 small-pox deaths in the provinces 130 in London; in 1861–70 the proportion rose to 191, and in 1871–80 still further to 218; but this increase from 191 to 218 was obviously much less, absolutely as well as relatively, than the pre-hospital increase from 130 to 191. Whatever, therefore, may be the cause why London does not improve in its relation to small-pox to the same extent as the provinces, it is something that came into operation long before the hospitals were opened.

The deaths from scarlet-fever were only 688 in number, giving a rate of 0·17 per 1000 living. Moreover, in the immediately preceding year 1885 the rate was only 0·18; and a glance at Table 14 will show how far lower these rates were than

those previously recorded. In only one year, namely 1873, was there a rate at all comparable in lowness with these. The great decline in the mortality from this disease in 1885 and 1886 was not peculiar to London, but was shared by the whole of England and Wales; but not in equal degree; for the London rate was again below that of the rest of the country, in accordance with what was noted in the last Annual Summary to have been very commonly the case in late years. The suggestion made in that Summary that the comparative immunity of London from scarlet fever may not impossibly be due to the greater amount of provision it enjoys for isolation by means of public hospitals, and the increasing use made of such means of isolation, finds further support in the still further increased proportion borne by the hospital deaths to the total mortality. In 1878 the deaths from scarlet fever in the London Fever and Metropolitan Asylum Hospitals were 7 per cent. of the whole mortality from that disease in London; in 1879–82 they were from 9 to 11 per cent.; in 1883 the percentage rose to 13·2; in 1884 to 17·6; in 1885 to 20·2; and finally in 1886 it reached 22·7.

The striking decline in scarlet fever mortality in 1885-86 appears to have been due in part to a diminished prevalence of that disease, and partly to the disease having assumed a milder form. That the disease assumed a milder form may be inferred with much confidence from the diminution of the case-mortality in the hospitals. In 1885 the deaths in these hospitals were in the proportion of 81 to 1000 cases, and in 1886 in the proportion of 84; whereas in 1880, which is the year preceding the continuous decline in the London death-rate from this disease, the case mortality was 111 per 1000. Thus the intensity of this disease, as measured by the proportion of cases that proved fatal, fell between 1880 and 1886 by 24 per cent. Part, then, of the decline in scarlet fever mortality is to be thus explained; but only part; for while the intensity of the disease fell 24 per cent., the death-rate from it fell no less than 78 per cent. The disease, therefore, must have been less prevalent as well as less severe.

Assuming the case-mortality in the hospitals to represent the case-mortality in the whole of London, the total number of cases of scarlet fever of equal severity to those admitted into hospital in London, must have been as follows in each of the last few years :—

1880	-	28,039 cases.	1884	-	13,912 cases.
1881	-	21,376 „	1885	-	8,886 „
1882	-	23,194 „	1886	-	8,185 „
1883	-	18,748 „			

Some small part in this decline, as in the decline in the general mortality already discussed, is attributable to the fall in the birth-rate of recent years. As previously pointed out, had the birth-rates in 1882–86 equalled the birth-rate in the preceding decennium, there would have been living in 1886 some 50,000 more children under five, an age-period specially liable to scarlet fever. These 50,000 extra children would have given 50 more deaths from that disease; and to these 50 deaths would have corresponded about 250 cases; for at this early age there is about 1 death to 5 cases. This would have raised the total cases in 1886 to 8,435 the total deaths to 738, and the death-rate to 0·18.

The mortality from measles, as also from whooping-cough, was somewhat below the average of the previous decennium; but in neither case was the fall much more than could be explained by the diminished proportion of children under five in the population, owing to the continuously low birth-rate.

The deaths from hydrophobia, which in 1885 had reached the unprecedented number of 27, and had caused much alarm and led to energetic measures on the part of the police in regard to stray dogs, fell in 1886 to 9, of which 5 were regis-

tered in the first quarter, 2 each in the second and third quarters, and none at all in the last three months of the year.

The deaths of parturient women from puerperal fever and other incidents of childbirth were considerably below the average, even when the diminished birth-rate is taken into account. In the years 1871–80 these deaths were 4·5 per 1000 births; but in 1886 the proportion had fallen to 3·6 per 1000; and this fall in the deaths of mothers contrasts with the continuous rise already noted, under the heading Premature Birth. The mortality from this cause in 1871–80 was 10·3 per 1000 births; but the rate has gradually risen until in 1886 it was 14·4 per 1000. It is just possible that this rise may be merely due to improved statement of cause of death in the case of infants; but the figures cannot but excite a suspicion, that there is some change in the condition of female life which affects seriously the childbearing function.

The deaths caused by accident in 1886 numbered 2,393, and, after due correction for growth of population, were 313, or 11·6 per cent., below the annual average of the 10 preceding years.

Among these accidental deaths were 251 caused by horses and conveyances in the streets, showing a slight diminution from the records of the two next preceding years. The fatal accidents caused by private carriages, as also those due to tram-cars, were fewer than had been the case for many years, while on the other hand those caused by vans and waggons were in notable excess.

Year.	Description of Vehicle, &c.									Total.
	Horse, &c.	Carriage.	Omnibus.	Tram-car.	Cab.	Cart.	Van, wagon.	Dray.	Others, and not described.	
1873	13	10	12	17	28	56	75	4	2	217
1874	28	11	17	14	33	36	63	4	5	211
1875	11	15	18	9	39	55	76	6	2	231
1876	13	4	17	12	24	56	78	6	7	217
1877	16	13	13	4	26	56	92	5	2	227
1878	17	12	14	10	34	63	73	11	3	237
1879	16	13	17	18	36	57	66	8	5	236
1880	12	11	20	17	39	43	69	7	2	220
1881	13	14	21	23	31	58	79	9	4	252
1882	12	15	19	23	37	60	95	5	5	271
1883	6	12	16	25	57	45	50	7	4	222
1884	12	11	33	18	57	51	70	4	9	265
1885	12	20	14	11	55	55	84	5	10	266
1886	10	7	21	9	39	49	103	8	5	251

Deaths in Workhouses, Hospitals, and Public Lunatic Asylums.—The proportion of deaths in these Institutions to total deaths was higher in London than in any of the other great towns (Table 2), as indeed is invariably the case. Moreover, the proportion appears to be gradually increasing. In the six years that have elapsed of the current decennium, the proportion has been 20·5 per cent.; in the next preceding quinquennium it was only 18·4 per cent.; and in the quinquennium next before that only 17·2 per cent.

In calculating these rates only those deaths are included that occur in Institutions situated within the London registration area and in the Metropolitan Asylum Small-pox Hospitals outside that area. These numbered 17,007 in 1886, and were 20·7 per cent. of the total deaths. But if the deaths of London residents that

occurred in the Metropolitan and County Lunatic and Imbecile Asylums outside the registration area of London be taken into account, the institution deaths are raised to 17,991, and the percentage to 21·6.† This percentage of 21·6 was made up of 11·5 in workhouses, 8·4 in hospitals, and 1·7 in lunatic asylums. Thus about 1 in 9 persons that die in London dies in a workhouse; and 1 in 10 dies either in a hospital or in an asylum.

Mortality in different parts of London.—The distribution of the registered mortality in London is seriously affected by the general hospitals. For purposes of fair comparison between one district, or one group of districts, and another it is necessary to make correction for this disturbing element. The following Table has, therefore, been constructed, in which the hospital deaths have been transferred to the districts from which the deceased had been admitted, and certain other corrections have been made as explained in the note to the Table.

DEATHS BELONGING to the SEVERAL SANITARY AREAS of REGISTRATION LONDON, registered in the 52 WEEKS of 1886.

SANITARY AREAS.	Deaths.	Deaths from Principal Zymotic Diseases.									Deaths of Infants under 1 Year of Age.	Deaths under 1 Year to 1000 Births registered.
		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Undefined Fever.	Diarrhœa.		
REGISTRATION LONDON	31,189	20	2,077	685	830	2,834	13	606	70	3,941	21,229	159
WEST.												
Paddington	1,915	1	65	11	31	56	-	15	1	86	445	154
Kensington	2,763	-	57	10	29	81	-	11	1	93	635	153
Fulham	2,818	1	72	25	28	99	-	26	4	178	859	156
Chelsea	2,017	-	38	6	28	94	-	13	2	91	520	161
St. George Hanover Square	1,539	-	22	9	24	39	-	11	1	44	269	153
Westminster	1,294	-	19	14	11	53	-	4	-	52	303	178
St. James Westminster	542	-	9	4	2	9	-	-	-	14	104	191
NORTH.												
Marylebone	3,082	2	68	13	16	86	1	14	1	145	735	158
Hampstead	770	-	15	2	9	20	-	8	-	25	174	131
Pancras	4,859	2	124	26	45	126	-	29	1	217	1,198	158
Islington	5,434	3	63	26	72	214	2	57	3	320	1,512	154
Hackney	3,677	1	90	73	49	124	-	56	6	195	1,006	151
CENTRAL.												
St. Giles	1,055	-	43	6	5	40	-	9	1	42	202	157
St. Martin-in-the-Fields	336	-	6	1	1	13	-	3	-	16	71	199
Strand	684	-	10	2	4	11	-	4	-	23	160	219
Holborn	875	-	20	3	5	43	-	5	1	44	207	210
Clerkenwell	1,472	1	19	11	11	42	-	8	2	91	375	165
St. Luke's	1,214	-	42	10	13	34	-	5	2	72	320	161
London City	985	-	7	5	9	14	1	7	-	19	131	159
EAST.												
Shoreditch	2,980	-	86	38	21	136	2	32	1	194	884	185
Bethnal Green	3,040	-	108	35	21	152	1	25	3	162	888	171
Whitechapel	1,629	-	49	23	15	46	1	11	1	72	461	182
St. George-in-the-East	1,377	-	33	21	8	41	-	7	-	104	324	179
Stepney	1,495	-	41	25	9	61	-	19	2	94	425	202
Mile End Old Town	2,256	-	57	47	19	100	1	17	1	145	564	139
Poplar	3,339	1	110	51	28	97	-	31	7	149	943	150
SOUTH.												
St. Saviour Southwark	662	-	9	7	7	11	-	4	-	28	156	170
St. George Southwark	1,616	2	37	14	11	55	2	5	1	64	415	187
Newington	2,486	-	87	31	26	77	-	11	4	101	686	165
St. Olave Southwark	266	1	5	1	6	5	-	1	-	14	69	188
Bermondsey	1,984	-	71	16	21	80	1	7	1	104	514	153
Rotherhithe	875	-	40	8	3	31	-	6	-	49	247	171
Lambeth	5,265	2	147	54	61	197	-	28	6	236	1,372	152
Wandsworth	4,540	-	112	27	47	216	-	46	6	229	1,385	156
Camberwell	4,073	2	95	18	36	151	1	33	3	182	1,150	157
Greenwich	3,010	1	111	5	56	104	-	18	2	110	787	150
Lewisham (excluding Penge)	931	-	6	4	19	27	-	6	-	57	223	130
Woolwich	837	-	25	-	6	23	-	7	3	26	193	145
Plumstead (including Mottingham Hamlet)	1,197	-	59	3	18	26	-	7	3	54	317	121

NOTE.—In the above Table the deaths in Hospitals and in other Public Institutions have been distributed to the sanitary areas from which the deceased inmates were admitted. The deaths of 19 London residents who died from small-pox in the Metropolitan Asylum Hospitals outside Registration London have been included and similarly distributed; while, on the other hand, the deaths of 1,087 non-residents who died in Public Institutions inside London have been excluded.

† A still further correction will be made in future Weekly Returns and Annual Summaries for deaths in the Strand Union Workhouse at Edmonton and the Holborn Union Workhouse at Mitcham.

If the figures in this Table be taken as the basis, and the rates calculated afresh for the five great groups of districts, we obtain the following results.

DEATHS per 1,000 Persons living, belonging to LONDON and its GROUPS of REGISTRATION DISTRICTS, in the 52 weeks of 1886.

—	All Causes.	Principal Zymotic Diseases.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple Continued Fever.	Diarrhœa.	Deaths under 1 Year to 1000 Births registered.
Registration London - -	19·6	2·68	0·00	0·50	0·17	0·20	0·69	0·00	0·15	0·02	0·95	159
West Districts - - -	17·7	2·19	0·00	0·39	0·11	0·21	0·59	—	0·11	0·01	0·77	158
North Districts - -	18·0	2·37	0·01	0·36	0·14	0·19	0·58	0·00	0·16	0·01	0·92	154
Central Districts - -	25·9	3·07	0·00	0·57	0·15	0·19	0·77	0·00	0·16	0·02	1·21	174
East Districts - - -	22·5	3·58	0·00	0·67	0·34	0·17	0·88	0·01	0·20	0·02	1·29	168
South Districts - -	19·2	2·62	0·01	0·56	0·13	0·22	0·69	0·00	0·12	0·02	0·87	155

Uncertified Deaths.—The causes of 949, or 1·2 per cent. of the registered deaths were not certified either by a registered medical practitioner or by a coroner; in the three preceding years the proportions of uncertified deaths were 1·2, 1·3, and 1·1 per cent., respectively. The proportions of uncertified deaths in the twenty-seven provincial towns averaged 3·2 per cent., and ranged from 0·8 in Plymouth, 1·2 in Portsmouth, and 1·6 in Leeds, to 5·1 in Liverpool, 5·5 in Sheffield, 6·3 in Oldham, and 7·7 in Halifax.

GREATER LONDON.—The population of Greater London (Table 7), which is co-extensive with the Metropolitan and City Police Districts, was estimated at 5,306,508 persons in the middle of 1886. The death-rate in this population was 19·3 per 1000, and almost identical with that of the immediately preceding year 1885, when it was 19·2. In Inner or Registration London the rate, as already seen, was 19·9, whereas in the Outer Ring of suburban districts it was only 17·0, and this rate would be further reduced to 16·5, if correction were made for the three Middlesex County Lunatic Asylums, and the Surrey County Lunatic Asylum, which are situated in this ring. The death-rate from the principal zymotic diseases was 2·62 in Greater London, being 2·69 in Inner London and 2·39 in the Outer Ring. The rates for the several districts which are constituent parts of the Outer Ring are given in Table 9.

HEALTH OF FOREIGN CITIES.—The rate of mortality in thirty-four Colonial and Foreign cities (Table 6) averaged 26·9 per 1000 of their estimated population in 1886. In the three principal Indian cities the rate averaged 28·6; being 26·0 in Calcutta and in Bombay, and 36·5 in Madras. Measles caused 564 deaths in Bombay, and 252 in Madras. The deaths included 1713 from cholera in Calcutta, 15 in Bombay, and 4 in Madras. In twenty-four of the largest European cities, having an estimated population of more than ten millions of persons, the mean rate of mortality was 27·2 per 1000, and exceeded by 6·3 the mean rate in the twenty-eight largest English towns with their aggregate population of over nine

millions. The lowest death-rates in these European cities were 21·4 in Christiania, 21·9 in Stockholm, 22·5 in Geneva, and 23·1 in Brussels; in the other towns the rates ranged upwards to 30·2 in Munich, 30·7 in St. Petersburg, 31·1 in Breslau, 33·0 in Prague, 35·0 in Marseilles, 37·8 in Buda-Pesth, and 38·0 in Trieste. The rate of mortality in Paris was 24·6, showing a slight increase upon the rate in the preceding year, and exceeded by as much as 4·7 per 1000 the rate recorded in London. The deaths in Paris last year included 4597 from diarrhœal diseases, 1511 from diphtheria and croup, 1201 from measles, 955 from typhoid fever, and 202 from small-pox; the mortality from typhoid fever showed a further considerable decline from that recorded in recent years. In Berlin, the third European city as regards population, the rate of mortality was 25·6, against 26·4 and 24·6 in the two preceding years; the deaths included 6138 from diarrhœal diseases, 1524 from diphtheria, and 558 from measles. Small-pox caused 2051 deaths in Marseilles, 1534 deaths in Buda-Pesth, 476 in Rome, 202 in Paris, 196 in Vienna, and 160 in Prague. The mortality from diphtheria showed an increase in each of the German and Austrian cities, except Berlin and Trieste, and was excessive in Hamburg, Dresden, and Buda-Pesth. In Cairo the death-rate for the year was 47·3, and in Alexandria 44·2 per 1000; diarrhœal diseases and typhoid fever were prevalent throughout the year in both these cities. In five of the principal American cities, in the aggregate, the mean recorded death-rate was 22·6, and showed a decline from the rate in 1885; in the several cities the rates were 19·5 in Chicago, 20·1 in Baltimore, 20·7 in Philadelphia, 22·9 in Brooklyn, and 26·0 in New York. Diphtheria showed fatal prevalence in New York, Chicago, Brooklyn, and Philadelphia; typhoid fever in Chicago and Philadelphia; and diarrhœal diseases in Brooklyn and Chicago.

TABLES.

TABLE 1.—**28 Towns.—Population; Births, Deaths, and Meteorology,** in the **52 Weeks** ending **1st January 1887.**

CITIES AND BOROUGHS.	POPULATION, Estimated to the middle of 1886.*	Persons to an Acre.	BIRTHS.	DEATHS.	The DEATHS registered in the 52 Weeks include: Deaths of Infants under 1 Year of Age.	Deaths of Persons aged 60 Years and upwards.	Deaths from Diseases in Cols. 8-14.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	MEAN TEMPERATURE.	RAINFALL (Inches).	CITIES AND BOROUGHS.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	Cols.
28 TOWNS‡ -	9,093,817	36·1	300635	189629	50858	41319	26082	70	4874	2285	1426	4835	2068	10524	6137	12116	30572	4407	46°8	32·62	- 28 TOWNS.
LONDON‡ - - -	4,149,533	55·1	133700	82276	21231	19365	11121	24	2078	688	846	2834	701	3950	2863	5891	17007	949	48·7†	24·09†	LONDON.
BRIGHTON - -	116,416	46·3	2957	1986	473	586	220	–	11	14	21	67	13	94	56	86	283	53	48·1	33·02	BRIGHTON.
PORTSMOUTH - -	136,278	31·5	4923	3234	857	725	689	1	192	18	63	102	124	189	72	165	389	38	–	–	PORTSMOUTH.
NORWICH - -	92,028	12·3	3186	2139	643	657	324	–	–	14	12	38	38	222	51	130	181	38	–	–	NORWICH.
PLYMOUTH - -	76,584	52·2	2414	1792	372	548	228	–	81	18	10	18	44	57	40	112	141	15	49·1	35·38	PLYMOUTH.
BRISTOL - - -	220,915	47·7	6726	4253	1000	1127	477	7	101	88	30	103	31	117	157	293	691	106	47·5	37·04	BRISTOL.
WOLVERHAMPTON -	80,012	23·6	2803	1773	490	377	307	–	110	6	14	22	15	140	50	104	248	32	44·9	33·43	WOLVERHAMPTON.
BIRMINGHAM - -	434,38	51·7	14305	8628	2509	1764	1346	–	373	37	74	92	61	709	382	824	1354	198	–	–	BIRMINGHAM.
LEICESTER - -	139,606	43·6	4857	2819	1025	628	389	–	43	42	4	27	21	252	91	272	354	63	–	–	LEICESTER.
NOTTINGHAM - -	217,733	21·9	7768	4419	1401	913	655	2	171	13	11	94	61	303	129	233	417	82	46·8	31·51	NOTTINGHAM.
DERBY - - -	91,823	26·6	3050	1665	456	435	161	–	4	7	2	43	31	74	45	120	213	38	–	–	DERBY.
BIRKENHEAD - -	95,370	24·8	3210	1819	520	388	221	2	21	40	15	18	18	107	54	119	207	34	–	–	BIRKENHEAD.
LIVERPOOL - -	586,320	112·5	19559	13919	3670	2308	1835	29	273	277	125	152	198	781	510	597	2382	714	47·2	34·59	LIVERPOOL.
BOLTON - - -	111,214	46·3	3786	2565	703	502	417	–	141	16	7	73	17	163	47	109	204	84	–	–	BOLTON.
MANCHESTER - -	376,895	63·6	13636	9894	2501	1865	1148	1	85	166	35	259	124	478	306	814	1845	243	–	–	MANCHESTER.
SALFORD - - -	211,241	40·9	7234	4643	1429	738	799	–	47	167	12	127	61	385	124	204	536	196	–	–	SALFORD.
OLDHAM - - -	130,216	27·5	4218	2958	733	528	356	–	90	32	27	55	26	126	66	81	278	186	–	–	OLDHAM.
BLACKBURN - -	114,689	16·4	3970	2918	831	604	488	2	231	37	–	24	34	160	61	99	340	91	–	–	BLACKBURN.
PRESTON - - -	101,340	27·2	3985	2922	927	507	571	–	210	18	8	67	60	208	36	92	218	82	47·0	–	PRESTON.
HUDDERSFIELD -	88,670	8·4	2386	1730	398	411	143	–	17	32	9	29	13	43	65	76	166	68	–	–	HUDDERSFIELD.
HALIFAX - -	78,287	20·8	2246	1775	385	450	187	–	87	9	16	16	15	44	45	48	219	137	–	–	HALIFAX.
BRADFORD - -	219,411	20·4	6290	4188	1051	879	472	–	106	88	9	19	36	214	109	243	380	109	45·9	35·91	BRADFORD.
LEEDS - - -	339,057	15·7	11456	7399	2068	1501	1158	1	239	193	27	119	99	480	202	461	633	118	47·5	30·85	LEEDS.
SHEFFIELD - -	310,957	15·8	10576	6131	1774	1199	891	–	70	130	10	161	63	457	141	214	591	338	45·9	35·60	SHEFFIELD.
HULL - - -	191,501	24·2	6394	3597	1047	781	455	–	28	48	3	82	29	265	124	154	390	172	45·3	27·52	HULL.
SUNDERLAND - -	127,487	42·0	4621	2479	699	526	326	–	4	26	5	51	29	211	78	154	245	81	45·1	29·40	SUNDERLAND.
NEWCASTLE - -	155,117	28·9	6099	3439	945	632	386	–	43	44	18	101	36	144	131	237	373	101	45·7	31·00	NEWCASTLE.
CARDIFF - - -	100,736	13·7	4280	2269	720	375	312	1	18	17	13	42	70	151	102	184	287	41	–	–	CARDIFF.

* These estimates are based upon the numbers enumerated at the Census in April 1881, and raised to the middle of 1886 by the addition of 5¼ times the annual rate of increase that prevailed between 1871 and 1881.

† For the temperature and rainfall in the Calendar year, *see* Table 28.

‡ Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 2.—**28 Towns.—Birth-rate, Death-rate,** and **Analysis** of **Mortality,** in the **52 Weeks** ending **1st January 1887.**

In this Table, 0·00 indicates that the deaths were too few to give a rate of 0·005; when *no deaths* occurred, — is inserted.

CITIES AND BOROUGHS.	ANNUAL RATES PER 1000 PERSONS LIVING.														DEATHS under 1 Year to 1000 Births.	ANNUAL RATE of MORTALITY per 1000 living.		PERCENTAGE to Total Deaths.			CITIES AND BOROUGHS.
	BIRTHS in 52 Weeks ending 1st Jan. 1887.	Total Deaths. 52 or 53 Weeks ending				Deaths from										Aged 1 to 60 Years.	Aged 60 Years and upwards.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.	
		29th Dec. 1883.	3rd Jan. 1885.	2nd Jan. 1886.	1st Jan. 1887.	Diseases in Cols. 7-13.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.							
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	Cols.
28 TOWNS*	33·2	21·6	21·6	20·6	20·9	2·88	0·01	0·54	0·25	0·16	0·53	0·23	1·16	0·68	169	11·8	77·1	6·4	16·1	2·3	28 TOWNS.
LONDON*	32·3	20·4	20·4	19·8	19·9	2·69	0·01	0·50	0·17	0·20	0·69	0·17	0·95	0·69	159	11·1	74·5	7·2	20·7	1·2	LONDON.
BRIGHTON	25·5	19·2	18·0	17·1	17·1	1·90	—	0·09	0·12	0·18	0·58	0·11	0·82	0·48	160	8·9	63·8	4·3	14·2	2·7	BRIGHTON.
PORTSMOUTH	36·2	18·6	19·4	19·7	23·8	5·07	0·01	1·41	0·13	0·46	0·75	0·91	1·40	0·53	174	13·5	77·7	5·1	12·0	1·2	PORTSMOUTH.
NORWICH	34·7	19·6	21·2	20·3	23·3	3·53	—	—	0·15	0·13	0·41	0·41	2·43	0·56	202	10·4	78·8	6·1	8·5	1·8	NORWICH.
PLYMOUTH	31·6	20·9	21·0	22·3	23·5	2·99	—	1·06	0·24	0·13	0·24	0·58	0·74	0·52	154	13·0	78·3	6·3	7·9	0·8	PLYMOUTH.
BRISTOL	30·5	17·9	18·4	19·7	19·3	2·17	0·03	0·46	0·40	0·14	0·47	0·14	0·53	0·71	149	10·7	73·3	6·9	16·2	2·5	BRISTOL.
WOLVERHAMPTON	35·2	21·3	23·4	20·2	22·2	3·85	—	1·38	0·08	0·18	0·28	0·19	1·74	0·63	175	12·5	74·0	5·9	14·0	1·8	WOLVERHAMPTON.
BIRMINGHAM	33·0	21·3	21·4	19·3	19·9	3·11	—	0·86	0·09	0·17	0·21	0·14	1·64	0·88	175	11·0	77·1	9·6	15·7	2·3	BIRMINGHAM.
LEICESTER	34·9	19·4	22·1	19·8	20·3	2·80	—	0·31	0·30	0·03	0·19	0·15	1·82	0·65	211	9·2	75·4	9·6	12·6	2·2	LEICESTER.
NOTTINGHAM	35·8	21·3	22·9	19·9	20·4	3·02	0·01	0·79	0·06	0·05	0·43	0·28	1·40	0·59	180	10·7	67·9	5·3	9·4	1·9	NOTTINGHAM.
DERBY	33·3	18·1	18·4	18·1	18·2	1·76	—	0·04	0·08	0·02	0·47	0·34	0·81	0·49	150	9·3	83·9	7·2	12·8	2·3	DERBY.
BIRKENHEAD	33·8	19·9	19·6	19·5	19·1	2·33	0·02	0·22	0·42	0·16	0·19	0·19	1·13	0·57	162	10·5	77·8	6·5	11·4	1·9	BIRKENHEAD.
LIVERPOOL	33·5	26·7	25·2	23·8	23·8	3·14	0·05	0·47	0·47	0·21	0·26	0·34	1·34	0·87	188	14·8	79·2	4·3	17·1	5·1	LIVERPOOL.
BOLTON	34·2	21·7	24·1	20·8	23·1	3·76	—	1·27	0·14	0·06	0·66	0·15	1·48	0·42	186	13·3	93·1	4·2	8·0	3·3	BOLTON.
MANCHESTER	36·3	27·6	26·4	26·5	26·3	3·06	0·00	0·23	0·44	0·09	0·69	0·33	1·28	0·81	183	16·0	101·4	8·2	18·6	2·5	MANCHESTER.
SALFORD	34·4	22·4	22·3	21·1	22·1	3·80	—	0·22	0·79	0·06	0·60	0·29	1·84	0·59	198	12·8	77·2	4·4	11·5	4·2	SALFORD.
OLDHAM	32·5	22·0	24·5	22·0	22·8	2·74	—	0·69	0·25	0·21	0·42	0·20	0·97	0·51	174	14·2	84·3	2·7	9·4	6·3	OLDHAM.
BLACKBURN	34·7	24·5	24·1	21·8	25·5	4·27	0·02	2·02	0·32	—	0·21	0·30	1·40	0·53	209	14·1	106·8	3·4	11·7	3·1	BLACKBURN.
PRESTON	39·5	25·5	27·3	27·1	28·9	5·65	—	2·08	0·18	0·08	0·66	0·59	2·06	0·36	233	16·1	87·9	3·1	7·5	2·8	PRESTON.
HUDDERSFIELD	27·0	21·3	19·6	20·1	19·6	1·62	—	0·19	0·36	0·10	0·33	0·15	0·49	0·74	167	11·4	77·8	4·4	9·6	3·9	HUDDERSFIELD.
HALIFAX	28·8	20·0	23·4	19·7	22·8	2·40	—	1·12	0·12	0·21	0·21	0·19	0·55	0·58	171	13·2	92·4	2·7	12·3	7·7	HALIFAX.
BRADFORD	28·8	18·3	20·1	17·7	19·2	2·16	—	0·48	0·40	0·04	0·09	0·16	0·99	0·50	167	11·2	77·8	5·8	9·1	2·6	BRADFORD.
LEEDS	33·9	23·3	24·2	19·9	21·9	3·43	0·00	0·71	0·57	0·08	0·35	0·29	1·43	0·60	181	12·4	83·0	6·2	8·6	1·6	LEEDS.
SHEFFIELD	34·1	22·9	22·4	20·7	19·8	2·88	—	0·23	0·42	0·03	0·52	0·20	1·48	0·45	168	11·1	79·2	3·5	9·6	5·5	SHEFFIELD.
HULL	33·5	22·8	21·1	17·2	18·8	2·38	—	0·15	0·25	0·02	0·43	0·15	1·38	0·65	164	10·2	66·1	4·3	10·8	4·8	HULL.
SUNDERLAND	36·4	24·5	23·1	23·8	19·5	2·57	—	0·03	0·20	0·04	0·40	0·23	1·67	0·61	151	10·8	71·3	6·2	9·9	3·3	SUNDERLAND.
NEWCASTLE	39·5	25·5	23·1	26·1	22·2	2·50	—	0·28	0·28	0·12	0·65	0·23	0·94	0·85	155	13·2	73·6	6·9	10·8	2·9	NEWCASTLE.
CARDIFF	42·6	20·2	24·4	25·7	22·6	3·11	0·01	0·18	0·17	0·13	0·42	0·70	1·50	1·02	168	12·6	83·1	8·1	12·6	1·8	CARDIFF.

* Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 3.—**28 Towns.—Mean Temperature,** and **Annual Rate** of **Mortality,** in each Week of 1886.

Number of Week.	Weeks ending	Mean Temperature at Greenwich.		Annual Rate of Mortality per 1000 in																											
		Fahrenheit.	Centigrade.	Twenty-eight Towns.*	London.*	Brighton.	Portsmouth.	Norwich.	Plymouth.	Bristol.	Wolverhampton.	Birmingham.	Leicester.	Nottingham.	Derby.	Birkenhead.	Liverpool.	Bolton.	Manchester.	Salford.	Oldham.	Blackburn.	Preston.	Huddersfield.	Halifax.	Bradford.	Leeds.	Sheffield.	Hull.	Sunderland.	Newcastle.	Cardiff.
		°	°																												
	YEAR (of 52 Weeks ending 1 Jan. 1887.)	48·7	9·28	20·9	19·9	17·1	23·8	23·3	23·5	19·3	22·2	19·9	20·3	20·4	18·2	19·1	23·8	23·1	26·3	22·1	22·8	25·5	28·9	19·6	22·8	19·2	21·9	19·8	18·8	19·5	22·2	22·6
	March Qr (13 weeks)	36·7	2·61	24·4	24·9	21·3	27·1	24·0	29·2	21·5	23·1	22·4	19·7	25·0	21·8	21·4	26·7	26·5	29·5	24·1	22·0	30·9	28·4	23·3	24·0	21·0	22·3	21·1	19·4	22·3	23·2	25·5
	June „ (13 weeks)	53·0	11·67	18·6	17·2	15·3	23·9	17·1	21·4	16·8	18·6	19·7	17·3	18·1	16·9	16·6	20·2	23·1	25·2	18·8	22·6	25·1	30·3	17·6	22·1	18·2	19·2	17·1	16·7	16·9	21·0	18·3
	Sept. „ (13 weeks)	61·1	16·17	20·4	18·7	17·0	24·7	28·0	19·4	17·0	20·0	19·9	24·4	19·9	16·7	22·0	24·2	21·8	25·0	24·7	21·9	23·0	28·8	17·4	20·4	18·6	22·0	21·5	18·3	20·4	21·6	24·5
	Dec. „ (13 weeks)	44·0	6·67	20·3	18·8	14·9	19·6	24·2	23·8	21·9	27·2	17·7	19·7	18·5	17·4	16·6	24·3	21·2	25·7	20·7	24·6	23·2	28·2	20·1	24·5	18·8	24·1	19·4	21·1	18·5	23·2	22·0
1	Jan. 9	34·8	1·56	22·5	22·4	22·9	24·1	27·2	26·6	20·3	18·9	21·0	20·6	27·8	21·0	24·1	24·2	29·1	28·5	20·0	21·6	26·8	25·7	28·3	22·0	20·2	19·2	18·5	19·6	19·2	18·8	20·7
2	„ 16	36·5	2·50	23·8	23·9	24·2	31·8	26·1	31·3	21·0	27·4	23·4	20·9	26·1	22·2	19·1	23·8	23·9	30·6	23·2	19·6	21·8	25·2	23·0	32·7	21·2	24·2	18·6	17·2	17·2	24·2	26·4
3	„ 23	32·9	0·50	22·4	21·9	19·3	20·7	19·8	27·9	21·3	24·1	19·1	16·1	26·1	18·2	10·4	26·3	23·9	24·9	25·9	17·2	30·0	30·4	22·4	17·3	22·1	22·9	23·0	22·1	25·0	25·2	24·9
4	„ 30	36·6	2·56	22·1	22·2	17·5	25·7	26·6	26·6	19·8	24·8	21·4	15·3	21·1	15·9	21·9	24·6	24·9	23·5	19·8	23·6	29·6	33·0	18·8	23·3	20·0	17·7	24·8	15·3	20·1	22·9	21·2
5	Feb. 6	36·1	2·28	22·2	22·4	13·4	27·9	23·8	23·2	17·7	22·2	19·9	19·1	24·9	25·0	20·8	24·7	23·0	27·1	19·3	20·4	26·8	24·7	18·8	16·0	18·8	21·9	21·3	18·3	24·6	20·5	24·9
6	„ 13	32·7	0·39	23·1	24·9	22·9	21·1	25·5	18·4	21·5	19·6	19·6	15·3	20·8	22·2	23·5	24·4	18·3	29·1	20·7	18·4	24·6	30·9	14·7	15·3	15·7	19·2	18·6	18·3	22·1	25·2	29·0
7	„ 20	35·1	1·72	24·4	25·6	19·3	27·9	23·2	30·0	18·4	20·9	25·2	16·4	24·9	17·6	15·3	26·0	24·9	28·4	19·5	21·2	39·1	19·1	24·7	32·7	20·0	23·5	18·1	19·1	30·7	20·9	22·3
8	„ 27	32·2	0·11	24·2	25·0	19·7	26·4	26·1	30·0	20·5	22·2	21·7	17·9	26·4	13·1	20·8	22·6	25·8	28·9	26·2	26·4	30·5	29·4	20·0	19·3	18·1	25·5	22·1	19·6	22·1	26·2	25·4
9	March 6	32·7	0·39	26·6	27·0	17·9	30·6	28·3	35·4	25·7	34·6	22·3	20·6	24·2	25·0	25·2	29·6	28·6	33·5	30·9	20·4	36·4	34·0	22·4	25·3	24·0	26·5	20·6	18·0	20·9	24·2	26·9
10	„ 13	31·9	−0·06	28·0	28·7	19·3	28·7	27·2	35·4	25·3	23·5	25·5	21·7	24·2	19·9	23·0	33·8	31·4	35·7	34·3	23·2	27·3	30·4	29·4	25·3	24·7	25·2	19·6	21·0	30·0	25·6	30·6
11	„ 20	37·9	3·28	29·3	30·3	28·2	33·7	18·7	27·2	21·0	28·0	25·5	21·3	27·1	33·0	22·4	36·0	37·1	36·4	26·9	30·0	39·6	34·5	25·3	35·3	25·4	20·9	23·8	26·7	22·5	26·6	30·6
12	„ 27	50·9	10·50	26·4	26·9	23·8	30·2	23·8	40·2	26·5	22·2	24·7	24·7	26·6	25·6	29·0	27·4	26·3	31·0	25·9	23·6	37·3	30·9	28·8	28·0	23·3	24·6	22·3	18·3	19·6	20·2	26·4
13	Apr. 3	47·4	8·56	22·2	21·9	28·7	23·0	15·9	27·9	20·1	12·4	22·1	25·8	24·9	25·0	22·4	23·6	27·2	25·6	20·0	20·0	31·4	21·6	25·9	19·3	19·7	18·9	23·2	18·8	15·6	20·5	22·3

14	April	10	44·7	7·06	20·1	19·8	16·6	28·7	17·6	20·4	19·1	16·3	18·6	18·3	21·1	23·3	19·7	20·6	22·1	25·6	19·3	23·6	26·8	27·8	21·8	16·7	15·9	17·9	16·6	15·5	20·1	23·5	18·6
15	„	17	43·7	6·50	20·3	19·8	19·3	25·3	15·9	25·2	17·9	14·4	24·6	17·6	21·8	25·0	15·3	19·3	19·7	27·1	20·0	24·8	32·3	18·0	20·0	19·3	21·4	19·4	18·0	18·0	14·7	18·5	15·5
16	„	24	48·1	8·94	19·8	18·4	16·6	26·0	21·0	30·7	14·6	23·5	24·1	13·8	22·8	18·2	15·3	21·8	24·9	26·3	17·0	24·0	27·8	34·5	19·4	18·7	18·8	19·2	18·8	12·3	16·8	23·9	18·1
17	May	1	47·7	8·72	20·2	18·5	16·1	27·9	18·7	26·6	21·0	18·3	22·7	19·1	19·7	19·9	17·5	20·0	23·5	29·2	22·5	24·8	26·8	27·3	20·0	26·0	17·1	19·2	19·6	16·3	17·6	25·9	21·2
18	„	8	55·2	12·89	20·6	18·7	18·4	26·0	14·7	21·8	20·5	15·7	24·3	21·7	16·8	13·6	20·2	24·6	27·2	29·1	24·0	23·6	25·5	28·3	16·5	24·0	20·2	19·1	19·6	18·5	20·9	24·2	17·1
19	„	15	49·6	9·78	19·1	17·8	17·9	19·9	20·4	17·0	18·9	20·9	19·6	20·6	16·1	14·2	10·4	20·8	22·5	28·2	20·3	21·6	24·1	27·8	8·8	22·7	17·4	19·1	18·8	24·3	16·0	21·5	17·6
20	„	22	55·3	12·95	18·7	17·4	13·0	24·1	19·8	19·8	13·9	17·0	18·9	19·1	19·4	12·5	18·6	22·4	20·2	25·2	17·3	22·0	18·7	34·0	20·0	22·7	19·5	20·2	18·3	16·1	16·8	16·1	21·8
21	„	29	53·5	11·94	17·4	15·5	16·1	25·7	12·5	16·3	12·8	14·4	18·7	17·9	12·2	16·5	18·1	19·2	31·0	22·2	18·8	26·4	28·7	23·2	15·3	30·0	17·4	19·2	16·3	16·1	19·2	19·8	20·2
22	June	5	55·5	13·06	17·0	15·5	13·9	22·2	13·0	21·8	13·0	15·0	19·8	16·4	17·5	17·6	19·7	19·8	22·5	21·7	14·3	18·0	19·6	31·9	16·5	16·0	16·2	18·5	14·6	13·4	16·4	18·2	23·3
23	„	12	57·9	14·39	17·4	16·0	9·0	21·1	17·0	14·3	17·5	25·4	15·1	15·3	15·6	13·6	13·1	19·0	21·1	24·8	14·6	20·8	26·4	34·5	15·3	24·0	19·7	21·5	15·6	18·8	18·8	17·2	12·4
24	„	19	54·5	12·50	16·8	14·9	13·4	19·1	17·0	21·8	17·5	20·2	17·8	16·1	14·6	13·1	10·9	18·2	20·7	21·3	18·3	22·0	26·8	39·7	17·7	21·3	18·5	17·5	16·3	14·7	11·9	21·2	19·2
25	„	26	59·0	15·00	17·0	15·4	12·6	23·7	13·6	17·7	14·4	20·2	16·0	13·8	18·7	17·6	19·7	18·0	24·9	20·5	24·5	20·8	20·5	37·1	20·0	22·7	16·6	19·1	12·9	14·4	16·0	20·9	12·4
26	July	3	64·5	18·06	17·6	15·8	15·7	20·7	20·4	25·9	17·2	20·2	15·9	15·7	18·7	14·2	17·0	18·2	20·2	26·9	13·3	20·8	22·7	30·4	17·7	23·3	17·8	19·4	16·8	18·3	14·7	21·9	20·7
27	„	10	66·5	19·17	18·4	19·4	12·6	20·7	20·4	15·7	18·4	11·7	15·0	14·6	18·5	16·5	14·2	18·2	16·9	20·1	19·3	18·8	23·7	25·2	11·8	18·7	19·0	19·5	15·1	15·3	13·1	17·8	22·3
28	„	17	60·3	15·72	19·7	21·1	12·1	19·1	18·7	14·3	18·4	17·0	16·2	19·1	18·7	14·2	14·8	18·9	19·7	24·8	20·3	19·6	22·7	24·7	13·0	15·3	20·5	14·9	17·8	13·9	16·8	21·9	21·8
29	„	24	64·9	18·28	20·2	21·6	16·6	22·6	22·1	20·4	21·0	7·8	18·0	24·3	15·3	13·1	24·6	20·6	19·7	24·2	20·3	20·8	21·4	23·7	19·4	20·0	14·0	17·9	16·6	14·2	15·6	16·8	20·2
30	„	31	59·4	15·22	20·6	22·0	11·7	19·1	25·5	17·0	20·1	20·2	18·9	31·0	18·0	14·8	24·1	21·2	18·3	21·9	18·5	20·8	19·1	24·7	18·8	21·3	17·6	18·9	14·9	11·2	20·1	18·8	26·9
31	August	7	60·2	15·67	19·9	20·4	17·9	22·6	28·9	15·0	17·0	17·0	16·2	31·4	16·8	10·8	20·8	21·6	19·2	24·4	22·7	23·2	24·1	21·6	15·3	10·0	18·1	22·5	16·4	10·4	19·6	16·8	17·6
32	„	14	61·0	16·11	18·9	18·9	14·8	20·3	15·9	20·4	14·4	18·9	17·4	20·9	15·8	12·5	24·1	23·4	17·8	18·1	23·7	19·6	24·1	22·1	15·3	19·3	17·1	18·5	17·6	13·9	16·4	20·2	26·9
33	„	21	59·8	15·44	19·5	17·9	16·1	19·5	36·8	17·7	15·6	14·4	18·9	24·3	16·8	11·9	27·9	28·9	18·8	20·2	25·7	23·6	15·5	23·2	16·5	20·0	16·9	18·6	20·3	16·3	23·7	20·5	25·4
34	„	28	64·4	18·00	20·1	18·3	22·4	24·1	21·5	15·7	13·5	21·5	21·0	24·7	19·2	21·6	24·6	24·6	18·3	23·7	24·9	20·4	19·1	26·8	18·8	21·3	16·6	21·2	22·0	17·4	18·4	25·6	25·4
35	Sept.	4	66·5	19·17	20·8	16·7	20·6	35·6	29·5	28·6	14·2	18·9	23·5	25·0	18·2	25·6	25·7	26·4	23·9	28·8	34·1	17·6	23·7	38·1	19·4	21·3	20·5	23·1	28·2	16·6	20·5	20·5	23·3
36	„	11	60·1	15·61	22·6	16·5	21·5	29·1	35·1	19·1	13·9	29·4	25·9	34·8	31·9	21·0	24·6	30·4	31·9	31·0	28·9	28·0	24·6	38·1	20·0	27·3	23·1	26·2	31·0	27·5	27·0	27·9	30·6
37	„	18	59·0	15·00	22·6	17·6	20·6	36·0	40·8	26·6	14·9	24·1	26·4	23·9	24·4	15·3	19·7	26·2	31·0	31·4	33·8	28·4	30·0	39·6	17·1	20·7	20·5	29·1	27·9	30·8	26·6	23·9	26·4
38	„	25	54·2	12·33	21·0	16·0	18·8	31·8	43·7	23·8	17·7	32·0	19·7	20·6	23·5	21·6	19·7	27·5	20·7	26·6	24·5	22·4	25·9	37·1	21·8	24·0	20·5	27·4	28·4	25·9	27·8	26·9	28·0
39	October	2	58·5	14·72	20·6	17·0	15·2	20·3	24·9	18·4	22·4	27·4	21·5	22·0	21·6	18·2	21·3	26·4	27·7	29·2	24·5	22·0	24·6	29·4	18·8	26·0	16·9	27·7	23·2	24·3	20·1	25·5	24·3
40	„	9	58·8	14·89	19·3	17·2	15·7	22·2	22·7	20·4	14·2	22·2	17·5	17·6	19·4	21·0	21·9	25·4	24·4	23·1	22·5	23·6	19·6	29·9	17·7	20·7	18·1	21·9	19·3	20·7	21·7	23·9	23·8
41	„	16	52·3	11·28	18·9	16·0	16·6	20·7	19·8	20·4	13·9	26·1	20·1	19·8	22·3	17·6	14·2	23·8	18·8	24·5	19·3	18·4	27·3	34·5	21·2	18·7	17·6	24·3	18·1	25·9	19·2	23·5	19·2
42	„	23	49·2	9·56	19·3	17·7	13·9	18·0	24·4	21·8	22·4	27·4	17·8	18·3	12·7	17·0	14·8	24·0	21·1	24·5	19·8	23·6	23·2	33·5	14·1	25·3	17·1	21·5	20·5	20·2	21·3	22·2	17·1
43	„	30	50·5	10·28	18·5	17·4	13·9	15·3	24·4	19·1	20·1	30·0	15·4	17·9	21·6	11·9	15·9	22·4	18·8	24·5	14·6	18·8	16·4	23·2	21·8	20·7	16·6	22·0	16·1	19·1	13·5	22·2	25·4
44	Nov.	6	48·9	9·39	18·2	16·7	17·5	15·7	21·0	24·5	18·9	28·0	15·0	16·8	14·6	11·9	14·2	19·8	19·7	24·5	20·0	25·6	21·8	25·7	21·2	22·0	19·5	23·2	20·1	17·2	15·6	15·8	16·6
45	„	13	42·9	6·06	19·5	17·9	13·9	18·0	24·9	23·2	20·3	26·1	18·1	17·6	19·2	15·9	16·4	23·8	21·1	23·1	19·8	30·0	21·8	27·3	24·1	28·0	17·4	21·7	17·3	20·7	15·1	24·6	24·3
46	„	20	45·8	7·67	19·1	17·4	14·3	13·8	27·8	23·2	22·9	22·8	15·9	19·4	16·8	19·9	18·1	20·5	24·9	24·4	17·5	21·2	26·4	24·2	20·0	21·3	17·4	27·1	20·8	18·3	19·2	20·5	19·2
47	„	27	40·7	4·83	20·2	19·4	13·4	15·7	29·5	24·5	26·2	26·7	16·6	20·9	17·5	15·3	13·7	21·8	17·8	22·0	23·7	24·8	24·1	22·1	19·4	26·7	19·3	23·1	21·5	20·2	15·6	24·6	20·7
48	Dec.	4	37·3	2·94	21·0	20·3	14·3	19·1	17·6	27·9	23·4	22·2	17·5	18·3	16·5	17·0	14·2	22·5	23·0	26·6	21·2	32·1	22·7	25·7	20·0	23·3	20·2	26·0	18·1	21·8	22·1	22·9	17·6
49	„	11	42·6	5·89	22·9	21·9	12·1	28·3	21·0	25·2	27·4	33·3	18·0	22·0	19·9	30·1	17·0	25·2	20·7	29·2	25·7	28·4	30·5	21·1	21·2	28·7	20·7	25·7	24·8	17·7	20·5	25·2	18·6
50	„	18	38·3	3·50	20·7	18·8	12·1	21·8	28·3	19·8	26·5	28·0	17·1	25·8	18·5	11·9	14·8	27·6	20·7	25·9	23·0	18·8	25·9	37·1	18·2	21·3	20·9	24·5	17·1	18·8	18·4	24·6	22·3
51	„	25	32·2	0·11	21·5	19·7	11·7	21·4	21·5	30·0	26·2	30·7	18·1	19·8	20·1	18·7	18·1	26·3	19·7	29·4	21·2	23·2	24·6	31·9	20·6	26·0	20·7	24·0	18·6	22·3	20·1	20·2	26·4
52	January	1	32·7	0·39	25·1	23·9	24·2	24·9	31·7	29·3	22·9	30·7	22·9	21·7	21·3	17·6	22·4	32·4	24·4	32·3	20·7	30·8	16·8	29·9	21·2	36·0	19·5	28·5	20·1	31·1	18·4	31·6	35·2

* Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 4.—**28 Towns.—Death-rate** from **All Causes,** and from the **Principal Zymotic Diseases,** and **Infant Mortality,** in the Ten Years **1876-85,** and in **1886.**

In this Table 0·00 indicates that the deaths were too few to give a rate of 0·005; when *no deaths* occurred, – is inserted.

Towns.	All Causes.		Small-pox.		Measles.		Scarlet Fever.		Diphtheria.		Whooping-cough.		Fever.		Diarrhœa.		Deaths under One Year to 1000 Births.		Towns.
	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	Ten years 1876-85.	1886.	
28 Towns† -	22·4	20·9	0·18	0·01	0·56	0·54	0·64	0·25	0·14	0·16	0·71	0·53	0·34	0·23	0·97	1·16	161	16 9	**28** Towns.
London† - -	21·4	19·9	0·30	0·01	0·58	0·50	0·52	0·17	0·17	0·20	0·77	0·69	0·29	0·17	0·78	0·95	152	159	London.
Brighton - -	19·4	17·1	0·03	–	0·37	0·09	0·39	0·12	0·07	0·18	0·50	0·58	0·20	0·11	0·72	0·82	147	160	Brighton.
Portsmouth -	19·7	23·8	0·00	0·01	0·47	1·41	0·51	0·13	0·36	0·46	0·39	0·75	0·64	0·91	0·84	1·40	134	174	Portsmouth.
Norwich - -	21·4	23·3	0·01	–	0·32	–	0·53	0·15	0·08	0·13	0·38	0·41	0·36	0·41	1·09	2·43	170	202	Norwich.
Plymouth - -	22·4	23·5	0·00	–	0·94	1·06	0·19	0·24	0·20	0·13	0·67	0·24	0·35	0·58	0·69	0·74	158	154	Plymouth.
Bristol - -	20·6	19·3	0·02	0·03	0·41	0·46	0·50	0·40	0·06	0·14	0·57	0·47	0·30	0·14	0·66	0·53	145	149	Bristol.
Wolverhampton	22·5	22·2	0·02	–	0·37	1·38	0·77	0·08	0·07	0·18	0·52	0·28	0·21	0·19	1·08	1·74	159	175	Wolverhampton.
Birmingham -	21·8	19·9	0·05	–	0·39	0·86	0·70	0·09	0·14	0·17	0·76	0·21	0·24	0·14	1·28	1·64	163	175	Birmingham.
Leicester - -	22·0	20·3	0·00	–	0·44	0·31	0·69	0·30	0·09	0·03	0·47	0·19	0·25	0·15	1·89	1·82	200	211	Leicester.
Nottingham -	21·9	20·4	0·03	0·01	0·48	0·79	0·70	0·06	0·08	0·05	0·45	0·43	0·33	0·28	1·09	1·40	175	180	Nottingham.
Derby* - - -	18·3	18·2	0·01	–	0·33	0·04	0·31	0·08	0·02	0·02	0·36	0·47	0·31	0·34	0·55	0·81	141	150	Derby.
Birkenhead* -	19·7	19·1	0·02	0·02	0·51	0·22	0·51	0·42	0·11	0·16	0·61	0·19	0·36	0·19	0·63	1·13	133	162	Birkenhead.
Liverpool - -	26·6	23·8	0·17	0·05	0·94	0·47	0·77	0·47	0·12	0·21	0·86	0·26	0·63	0·34	1·20	1·34	185	188	Liverpool.
Bolton* - -	22·4	23·1	0·05	–	0·73	1·27	0·12	0·14	0·06	0·06	0·63	0·66	0·27	0·15	1·38	1·48	175	186	Bolton.
Manchester -	27·6	26·3	0·09	0·00	0·66	0·23	0·71	0·44	0·09	0·09	0·82	0·69	0·33	0·33	1·15	1·28	174	183	Manchester.
Salford - -	24·9	22·1	0·30	–	0·73	0·22	0·83	0·79	0·10	0·06	0·82	0·60	0·48	0·29	1·52	1·84	177	198	Salford.
Oldham - -	24·2	22·8	0·05	–	0·55	0·69	0·83	0·25	0·10	0·21	0·57	0·42	0·30	0·20	0·75	0·97	169	174	Oldham.
Blackburn* -	23·9	25·5	0·00	0·02	0·68	2·02	0·37	0·32	0·01	–	0·53	0·21	0·58	0·30	1·30	1·40	181	209	Blackburn.
Preston* - -	26·9	28·9	0·01	–	0·50	2·08	0·60	0·18	0·11	0·08	0·60	0·66	0·50	0·59	2·47	2·06	215	233	Preston.
Huddersfield* -	20·8	19·6	0·00	–	0·54	0·19	0·14	0·36	0·05	0·10	0·53	0·33	0·17	0·15	0·48	0·49	169	167	Huddersfield.
Halifax* - -	20·9	22·8	0·01	–	0·23	1·12	0·31	0·12	0·06	0·21	0·25	0·21	0·32	0·19	0·39	0·55	156	171	Halifax.
Bradford - -	21·5	19·2	0·01	–	0·40	0·48	0·60	0·40	0·08	0·04	0·53	0·09	0·28	0·16	0·87	0·99	163	167	Bradford.
Leeds - - -	23·1	21·9	0·02	0·00	0·39	0·71	0·88	0·57	0·08	0·08	0·60	0·35	0·40	0·29	1·30	1·43	172	181	Leeds.
Sheffield - -	23·0	19·8	0·02	–	0·41	0·23	1·11	0·42	0·07	0·03	0·68	0·52	0·44	0·20	1·19	1·48	163	168	Sheffield.
Hull - - -	22·2	18·8	0·03	–	0·37	0·15	0·88	0·25	0·08	0·02	0·52	0·43	0·41	0·15	1·46	1·38	161	164	Hull.
Sunderland -	23·6	19·5	0·13	–	0·70	0·03	1·32	0·20	0·11	0·04	0·61	0·40	0·44	0·23	1·06	1·67	157	151	Sunderland.
Newcastle - -	23·8	22·2	0·10	–	0·53	0·28	0·86	0·28	0·07	0·12	0·54	0·65	0·44	0·28	0·99	0·94	161	155	Newcastle.
Cardiff* - -	22·6	22·6	0·03	0·01	0·88	0·18	0·73	0·17	0·32	0·13	0·63	0·42	0·34	0·70	0·97	1·50	170	168	Cardiff.

* As the rates for years prior to 1882 cannot be ascertained for these towns, the mean rate for the 4 years 1882-85 has been inserted in the columns for decennial rates.
† Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 5.—**50 other large Town Districts: Population; Births** and **Deaths** in 1886.

District Numbers.	Towns.	Population Estimated to the middle of 1886.*	Year ending 31st December 1886. Births.	Deaths.	Annual Rate per 1000 living. Births.	Deaths.	Dis. in Cols. 8-14 Tab. 1.	Deaths under 1 Year to 1000 Births registered.	Districts and Sub-districts, taken as approximately representing the several Towns.
	FIFTY TOWNS -	2,832,638	95,063	56,347	33·6	19·9	2·52	164	Aggregate of under-mentioned Districts and Sub-districts.
	II.—SOUTH EASTERN COS.								
46	Rochester and Chatham P -	62,995	2376	1318	37·7	20·9	1·78	141	Entire District of Medway.
50	Maidstone - - - M† -	31,598	997	567	31·6	17·9	1·77	142	West and East Sub-districts.
64	Dover - - - - M -	37,661	1141	660	30·3	17·5	1·67	127	Entire District. · [Sub-districts.
68	Hastings - - - M† -	54,218	1213	804	22·4	14·8	1·57	135	All Saints and St. Mary-in-the-Castle
97	Southampton - - M† -	55,780	1673	1006	30·0	18·0	1·11	140	Entire District.
119	Reading - - - M† -	50,009	1516	845	30·3	16·9	1·58	147	Entire District.
	III.—SOUTH MIDLAND COS.								
150	Oxford - - - - M -	51,104	1490	951	29·2	18·6	1·15	150	Entire District, and St. Clement Sub-district of Headington.
160	Northampton - - M† -	68,233	2332	1219	34·2	17·9	2·78	156	St. Giles & All Saints Sub-districts.
179	Cambridge - - - M -	38,498	1014	726	26·3	18·9	1·71	150	Entire District.
	IV.—EASTERN COUNTIES.								
196	Colchester - - - M -	29,502	948	635	32·1	21·5	2·95	154	Entire District.
213	Ipswich - - - - M -	54,757	1840	1044	33·6	19·1	1·73	152	Entire District.
219	Yarmouth - - - M† -	51,072	1766	1107	34·6	21·7	3·39	205	Entire District and Gorleston Sub-district of Mutford.
	V.—SOUTH WESTERN COS.								
272	Exeter - - - - M† -	38,382	1053	862	27·4	22·5	3·75	178	Entire District.
279	Devonport - - - M -	48,939	1678	1000	34·3	20·4	1·43	133	Entire District of Stoke Damerel.
317	Bath - - - - M† -	53,983	1264	1031	23·4	19·1	1·33	137	Bathwick, Lyncombe, and Walcot Sub-districts.
	VI.—WEST MIDLAND COS.								
327	Gloucester - - - M† -	39,813	1239	584	31·1	14·7	1·23	101	St. Nicholas, St. John the Baptist, & South Hamlet Sub-districts.
335	Cheltenham - - - M† -	45,089	1115	784	24·7	17·4	0·86	139	Cheltenham Sub-district.
351	Shrewsbury - - - M -	32,310	927	636	28·7	21·2	3·16	164	St. Mary & St. Chad Sub-dists. of Atcham.
363	Stoke-upon-Trent - P -	172,884	6687	3713	38·7	21·5	2·45	184	Entire Dis. of Stoke-on-Trent & Tunstall and Burslem Sub-dis. of Wolstanton.
367	Burton-upon-Trent - M† -	49,745	1618	757	32·5	15·2	1·83	132	Burton-upon-Trent Sub-district.
372	Walsall - - - M† -	63,712	2414	1237	37·9	19·4	3·92	170	Bloxwich & Walsall Sub-districts.
373	West Bromwich - Impt. D† -	61,263	2274	1152	37·1	18·8	2·56	170	South-west and North-east Sub-ds.
374	Dudley - - - - M† -	47,599	1808	940	38·0	19·7	3·36	178	Dudley Sub-district.
379	Worcester - - - M -	42,598	1356	948	31·8	22·3	2·07	206	Entire District.
392	Coventry - - - M -	47,988	1477	991	30·8	20·7	3·50	170	Entire District.
	VII.—NORTH MIDLAND COS.								
420	Lincoln - - - - M† -	50,314	1473	974	29·3	19·4	3·46	190	Home Sub-district.
	VIII.—NORTH WESTERN COS.								
443	Stockport - - - M† -	78,945	2634	1901	33·4	24·1	2·96	191	Heaton Norris, and Stockport 1st and 2d Sub-districts.
444	Macclesfield - - - M† -	36,057	1013	678	27·4	18·3	2·06	191	East and West Macclesfield and Sutton Sub-districts.
450	Chester - - - - M† -	49,820	1481	920	29·7	18·5	1·28	124	Castle and Cathedral Sub-districts.
456	St. Helens - - - M† -	64,102	2616	1381	40·8	21·5	5·30	164	St. Helens Sub-district of Prescot.
457	Southport - - - M -	42,004	985	682	23·4	16·2	0·67	141	North Meols Sub-dist. of Ormskirk.
458	Wigan - - - - M† -	53,779	2091	1204	38·9	22·4	2·34	177	Wigan Sub-district.
459	Warrington - - - M† -	48,319	1802	918	37·3	19·0	2·17	159	Warrington Sub-district.
462	Bury - - - - M† -	59,302	1861	1253	31·4	21·1	2·88	177	South and North Bury, and Elton Sub-districts.
468	Ashton-under-Lyne - M† -	39,307	1340	986	34·1	25·1	2·87	201	Ashton Town Sub-district.
470	Rochdale - - - M† -	81,450	2158	1657	26·5	20·3	1·87	168	Castleton Further and Nearer, Spotland Nearer, Wardleworth, & Wuerdle Sub-ds.
471	Accrington - - - M† -	38,106	1083	647	28·4	17·0	2·94	155	Accrington Sub-district of Haslingden.
482	Barrow-in-Furness - M -	50,984	1815	776	35·6	15·2	2·73	136	Entire District.
	IX.—YORKSHIRE.								
510	Rotherham - - - M† -	58,435	2073	980	35·5	16·8	3·10	148	Rotherham and Kimberworth Sub-districts.
516	York - - - - M† -	75,281	2300	1486	30·6	19·7	3·15	175	Bootham, Micklegate, and Walmgate Sub-districts.
534	Middlesbrough - - M† -	67,540	2496	1422	37·0	21·1	2·95	167	Middlesbrough Sub-district.
	X.—NORTHERN COUNTIES.								
542	Darlington - - - M† -	44,006	1325	679	30·1	15·4	1·77	121	Darlington Sub-district.
554	South Shields - - M -	122,069	4747	2489	38·9	20·4	3·03	146	Entire District.
555	Gateshead - - - M† -	76,448	2803	1404	36·7	18·4	2·79	161	Gateshead Sub-district.
557	Tynemouth - - - M† -	49,758	1642	962	33·0	19·3	1·53	145	North Shields & Tynemouth Sub-dists.
572	Carlisle - - - - M† -	42,846	1361	789	31·8	18·4	1·56	142	St. Cuthbert & St. Mary Sub-dists.
	XI.—MONMOUTHSH. & WALES.								
585	Newport (Monmouth) M† -	36,277	1547	876	42·6	24·1	3·11	186	Newport Sub-district.
587	Ystradyfodwg - L. G. D.†	52,919	2357	1394	44·5	26·3	5·37	212	Ystradyfodwg Sub-dist. of Pontypridd.
588	Merthyr Tydfil - - P	89,849	3409	2385	37·9	26·5	3·45	194	Lower and Upper Merthyr Tydfil, and Aberdare Sub-districts
592	Swansea - - - M -	94,089	3435	1937	36·5	20·6	2·65	173	Llangafelach, Swansea, and Llansamlet Sub-districts.

NOTE.—The letter M or P affixed to the name of each Town denotes whether the limits, which the District or Sub-districts named in the last column approximately represent, are Municipal or Parliamentary. Impt. D. signifies an Improvement District, and L. G. D. a Local Government District.

* These estimates, excepting those for Barrow-in-Furness and Ystradyfodwg, are based upon the numbers enumerated at the Census in 1881, and raised to the middle of 1886 by the addition of 5½ times the annual rate of increase that prevailed between 1871 and 1881. The populations of Barrow-in-Furness and Ystradyfodwg have been estimated from special returns of inhabited houses furnished by the local authorities.

† The rates of mortality for these towns have been corrected by the exclusion of a proportional number of deaths occurring in County Hospitals and Lunatic Asylums, situate within the District or Sub-districts here taken as representing the towns, or by the exclusion or addition of a proportion of the deaths in Union Workhouses in cases where only a portion of the Union is embraced by the area taken, or where the Workhouse is situated outside that area.

TABLE 6.—**Births** and **Deaths** in 1886 in **Edinburgh, Glasgow, Dublin,** and in **34 Foreign Cities.**

CITIES.	POPULATION (enumerated or estimated).	BIRTHS. (Excluding Stillborn.)	DEATHS.	ANNUAL RATE per 1000 Persons living.		DEATHS FROM EPIDEMIC DISEASES						
				Births.	Deaths.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus & Typhoid Fever.	Diarrhœa
EDINBURGH	254,591	7432	4868	29·3	19·2	3	179	45	54	63	41	
GLASGOW	521,999	19798	13077	38·1	25·1	2	99	354	93	713	122	
DUBLIN	353,082	10199	9491	29·0	27·0	–	9	184	30	246	193	
CALCUTTA	433,219	–	11269	–	26·0	14	19	–	19	24	–	2
BOMBAY	773,196	14861	20038	19·3	26·0	20	564	?	?	?	?	1
MADRAS	398,777	16100	14522	40·5	36·5	2	252	?	?	?	?	2
PARIS	2,239,928	60763	55024	27·2	24·6	202	1201	400	1511*	556	955	4
MARSEILLES	376,143	10851	13158	28·8	35·0	2051	192	19	583*	34	389	
GENEVA	72,135	1463	1616	20·4	22·5	1	13	6	9*	38	21	
BRUSSELS	434,977	13281	10009	30·6	23·1	28	60	28	71	114	134	1
AMSTERDAM	372,771	13853	8852	37·3	23·8	–	283	24	114	104	55	
ROTTERDAM	187,495	7064	4429	37·8	23·7	–	155	64	13	53	13	
THE HAGUE	138,697	5244	3362	37·9	24·3	–	154	6	15	21	20	
COPENHAGEN	289,000	10751	6697	37·3	23·3	–	4	34	163	100	38	
STOCKHOLM	210,717	7453	4598	35·5	21·9	–	1	82	156*	64	36	
CHRISTIANIA	131,000	4056	2788	31·1	21·4	–	–	163	414*	26	8	
ST. PETERSBURG	928,016	–	28399	–	30·7	146	942	864	450	229	935	3
WARSAW	431,572	15632	12067	36·3	28·1	131	57	303	436*	74	338	2
BERLIN	1,335,667	43732	34073	32·9	25·6	2	558	265	1524	402	183	6
HAMBURG (State)	518,468	18117	15207	35·1	29·4	17	165	348	630*	355	367	1
DRESDEN	245,515	8020	6274	32·8	25·6	–	115	47	414*	?	45	
BRESLAU	298,893	10820	9262	36·3	31·1	–	58	29	229	51	49	1
MUNICH	262,000	9259	7824	35·7	30·2	2	3	88	216*	81	56	1
VIENNA	780,066	26625	20457	34·3	26·5	196	332	123	368	133	81	1
PRAGUE	288,317	–	9264	–	33·0	160	382	95	247*	107	133	
BUDA-PESTH	442,591	15506	16679	35·2	37·8	1534	338	577	550*	41	240	1
TRIESTE	152,093	–	5782	–	38·0	1	259	2	192*	1	27	
ROME	349,921	10449	9252	30·0	26·5	476	404	16	157	21	168	
TURIN	278,598	8400	6806	30·2	24·4	45	56	53	188*	47	178	
VENICE	145,354	3938	4394	27·2	30·3	72	–	1	10*	14	59	
CAIRO	374,838	18692	17651	50·0	47·3	44	63	1	300*	544	1123	5
ALEXANDRIA	231,396	9791	10191	42·5	44·2	58	83	1	79*	345	496	2
NEW YORK	1,429,697	–	36980	–	26·0	32	565	368	1737	582	336	1
BROOKLYN	690,000	–	15738	–	22·9	8	107	340	780	258	119	1
PHILADELPHIA	971,363	–	20005	–	20·7	4	19	247	410	86	621	
CHICAGO	704,000	–	13699	–	19·5	2	126	220	1303*	112	495	1
BALTIMORE	417,220	–	8337	–	20·1	1	261	29	185	90	146	

* Including deaths from croup.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—**Population Births** and **Deaths** in the 52 Weeks ending 1st January 1887.

	POPULATION, estimated to the middle of 1886.	ANNUAL RATE per 1000 living.			TOTAL BIRTHS.	TOTAL DEATHS.	The DEATHS registered in the 52 Weeks include								
							Deaths of		Deaths from						
		Births.	Deaths.	Principal Zymotic Diseases.			Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
GREATER LONDON‡	5,306,508	32·8	19·3	2·62	173,448	101,931	26,633	24,478	36	2381	780	1148	3623	870	5034
INNER LONDON‡	4,149,533	32·3	19·9	2·69	133,700	82,276	21,231	19,365	24	2078	688	846	2834	701	3950
OUTER RING	1,156,975*	34·5	17·0†	2·39	39,748	19,655	5402	5113	12	303	92	302	789	169	1084

* The Population of the Outer Ring is estimated by deducting the estimated Population of Inner London from the Greater London calculated in accordance with the rates of increase which prevailed between 1871 and 1881.

† The Death-rate in the Outer Ring, corrected for the deaths in the three Middlesex County Lunatic Asylums and in Surrey County Lunatic Asylum (see Table 9), was equal to 16·5 per 1000.

‡ Including deaths from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 8.—GREATER LONDON.—**Area, Population, Inhabited Houses, Rateable Value,** 1881.

	Area (including Tidal Water).		Enumerated Population, 1881.	Density of Population in 1881.		Inhabited Houses, 1881.	Rateable Value, 1881.*
	In Acres.	In Square Miles.		Persons to an Acre.	Persons to a Square Mile.		
							£
GREATER LONDON -	448,334	701	4,766,661	10·6	6,800	645,695	32,854,916
INNER LONDON -	78,052	122	3,816,483	48·9	31,283	486,186	27,402,509
OUTER RING - -	370,282	579	950,178	2·6	1,641	159,509	5,452,407

* The Rateable Value of London in 1881 was supplied from the Metropolitan Police Office.

TABLE 9.—LONDON—OUTER RING. **Population; Births; Deaths** from **All Causes** and from the **Principal Zymotic Diseases;** and the **Annual Rate of Mortality,** in the 52 Weeks ending 1st January 1887.

Districts and Sub-districts.	Population estimated to the middle of 1886.	Births.	Deaths.	Deaths from Principal Zymotic Diseases.	Annual Rate per 1000 living.		
					Births.	Deaths.	Principal Zymotic Diseases.
LONDON—OUTER RING -	1,156,975	39,748	19,655	2751	34·5	16·5	2·39
EPSOM (*part of*) - - - -	36,986	879	748	98	23·8	13·1	2·66
CROYDON and *part of* GODSTONE	140,794	3943	1961	202	28·1	13·3	1·44
KINGSTON (*part of*) - - -	86,677	2617	1342	126	30·3	15·6	1·46
RICHMOND - - - - -	37,330	1064	665	86	28·6	17·9	2·31
BROMLEY (*part of*) - - -	56,832	1751	702	60	30·9	12·4	1·06
BEXLEY - - - - - - -	26,201	801	374	30	30·7	14·3	1·15
STAINES - - - - - - -	25,184	737	436	54	29·4	17·5	2·15
UXBRIDGE - - - - - -	27,878	852	567	56	30·7	16·0	2·02
BRENTFORD - - - - - -	118,620	3750	1956	235	31·7	16·7	1·99
HENDON and BUSHEY - - -	70,909	2800	1319	201	39·6	18·8	2·84
BARNET and *part of* HATFIELD -	39,449	1165	732	75	29·6	13·9	1·91
EDMONTON - - - - - -	175,542	6893	3239	558	39·4	18·7	3·19
WEST HAM and *part of* CHIGWELL	291,823	11552	5204	904	39·7	17·9	3·11
ROMFORD (*part of*) - - -	22,750	944	410	66	41·6	18·1	2·91

Note.—The estimates of the population in the middle of 1886 are based upon the numbers enumerated in 1871 and 1881. In alculating the rates of mortality for the above Table, proportions of the deaths recorded in the three Middlesex County unatic Asylums, situated in the Districts of Epsom, Uxbridge, and Barnet, and in the Surrey County Asylum situated in roydon District, have been excluded as belonging to Registration (or Inner) London, and the remainder distributed among he Middlesex and Surrey Districts in the Outer Ring.

TABLE 10.—LONDON. Of the **3,816,483 Inhabitants enumerated** in 1881, the **Numbers of each Sex born** in LONDON, and **elsewhere.**

	Males.		Females.		Excess of Females.	
	1871.	1881.	1871.	1881.	1871.	1881.
TOTAL INHABITANTS - - -	1,523,151	1,797,486	1,731,109	2,018,997	207,958	221,511
BORN IN LONDON - - -	975,461	1,147,063	1,080,115	1,254,892	104,654	107,829
BORN OUT OF LONDON - - -	547,690	650,423	650,994	764,105	103,304	113,682

Note.—The enumerated Population of London in 1881 included 2,401,955 of both sexes born in London and 1,414,528 orn elsewhere.

TABLE **11.—London: Population** at different **Ages,** as enumerated at the Censuses of **1851, 1861 1871,** and **1881,** with the Numbers of **Males** and **Females** at the various **Ages** in **1881.**

—	All Ages.	0–	5–	10–	15–	20–	25–	35–	45–	55–	65–	75–	& up
1851	2,362,236	293,562	243,648	216,369	213,694	241,401	423,123	308,949	208,363	122,946	62,608	19,845	2,
1861	2,803,989	362,296	300,259	264,349	259,155	277,389	476,802	366,417	246,918	149,503	74,039	23,721	3,
1871	3,254,260	422,629	349,686	309,658	307,075	321,585	551,973	404,954	290,977	174,265	90,198	27,604	3,
1881	3,816,483	497 044	419,740	366,111	368,628	385,236	641,265	471,131	320,530	205,921	103,815	32,982	4,
Males –	1,797,486	248,619	208,193	179,483	171,659	176,186	297,085	222,417	147,616	90,992	42,189	11,877	1,
Females –	2,018,997	248,425	211,547	186,628	196,969	209,050	344,180	248,714	172,914	114,929	61,676	21,105	2,

NOTE.—In England the proportion of Females to Males in the population in 1881 was as 105 to 100; in London it was 112 to 100. These proportions exactly correspond with those that prevailed in 1871.

TABLE **12.—London: Marriages, Births,** and **Deaths, 1872–1886.**

YEARS.		1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1 (wee
MARRIAGES – –		33,155	33,425	33,248	34,072	34,007	33,593	33,742	33,477	34,144	34,578	35,612	35,379	35,381	34,560	34
BIRTHS –	Persons	118,440	119,015	121,950	123,266	127,444	128,092	129,765	131,542	133,310	132,904	133,309	134,503	135,351	132,952	133
	Males –	60,453	60,513	62,072	62,782	65,058	65,477	66,241	66,445	67,985	67,556	67,958	68,449	69,106	67,924	68
	Females	57,987	58,502	59,878	60,484	62,386	62,615	63,524	65,097	65,325	65,348	65,351	66,054	66,245	65,028	65
DEATHS* –	Persons	71,355	75,459	76,813	81,964	77,671	77,449	84,188	83,805	81,832	81,346	82,913	80,995	82,289	80,820	82
	Males –	36,592	38,366	39,212	42,056	40,071	39,997	43,031	42,826	41,978	41,706	42,092	41,646	42,479	41,184	42
	Females	34,763	37,093	37,601	39,908	37,600	37,452	41,157	40,979	39,854	39,640	40,821	39,349	39,810	39,636	40
EXCESS OF BIRTHS OVER DEATHS* –		47,085	43,556	45,137	41,302	49,773	50,643	45,577	47,737	51,478	51,558	50,396	53,508	53,362	52,132	51
ANNUAL RATES PER 1000.	Persons Married	19·9	19·8	19·4	19·6	19·2	18·7	18·5	18·0	18·1	18·1	18·3	17·9	17·6	16·9	16
	Births –	35·6	35·3	35·6	35·4	35·9	35·6	35·5	35·5	35·3	34·7	34·2	34·0	33·7	32·6	32
	Deaths*	21·4	22·4	22·4	23·5	21·9	21·5	23·1	22·6	21·7	21·2	21·3	20·5	20·5	19·8	19

NOTE.—The figures in the above table, except those for 1886, relate to the calendar year ending 31st December. The figures 1886 relate to the 52 weeks ending 1st January 1887.

* Including, for the years 1884-5-6, deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outsid Registration London.

TABLE **13.—London Annual Rate of Mortality,** in the 47 Years 1840–1886, in **Five Groups of Metropolitan Districts.**

	LONDON.	WEST DISTRICTS.	NORTH DISTRICTS.	CENTRAL DISTRICTS.	EAST DISTRICTS.	SOUTH DISTRICTS.
Area in Square Miles .	122·0	16·8	21·0	3·5	9·3	71·4
Decennial Increase of Population per Cent., 1871–81	17·3	19·3	20·5	−15·6 (decrease).	8·4	30·8
Enumerated Population, 1881	3,816,483	669,633	905,947	282,238	692,738	1,265,927
Density: Persons to an Acre . . 1841	25	27	28	172	66	11
1871	42	52	56	150	107	21
1881	49	62	67	127	116	28
YEARS.	MEAN RATE OF MORTALITY PER 1000 IN 47 YEARS.					
1840–1886* . . .	23·5	22·0	22·2	25·0	25·5	23·4
	MEANS OF 10 YEARS.					
1841–50 . . .	24·8	23·0	22·7	24·7	26·2	26·2
1851–60 . . .	23·7	22·6	22·2	24·4	25·1	24·4
1861–70 . . .	24·4	22·7	23·6	26·7	26·9	23·4
1871–80 . . .	22·5	20·8	21·9	24·8	24·9	21·8
	ANNUAL RATE OF MORTALITY PER 1000.					
1840 . . .	25·0	24·1	23·9	24·5	25·7	25·9
1841 . . .	24·1	22·4	22·4	25·0	25·1	24·4
1842 . . .	23·6	22·6	22·6	23·6	24·4	23·9
1843 . . .	24·8	23·3	23·1	25·3	26·4	24·8
1844 . . .	25·1	23·9	23·3	24·4	25·9	25·6
1845 . . .	23·3	22·5	21·0	24·0	24·6	23·8
1846 . . .	23·4	21·6	21·9	22·9	24·1	24·6
1847 . . .	26·8	24·5	25·4	27·9	29·4	27·7
1848 . . .	25·7	23·6	23·4	25·3	28·7	27·2
1849 . . .	30·1	26·1	23·7	27·9	31·8	37·6
1850 . . .	21·0	19·6	19·8	21·1	21·7	21·9
1851 . . .	23·4	22·0	22·2	24·1	24·3	24·0
1852 . . .	22·5	21·5	21·2	23·9	23·3	23·0
1853 . . .	24·4	22·3	22·4	25·1	26·5	25·3
1854 . . .	29·4	28·5	24·4	27·4	30·0	34·8
1855 . . .	24·3	23·0	23·3	25·1	25·5	24·6
1856 . . .	22·0	21·5	21·1	23·0	23·3	21·8
1857 . . .	22·4	21·2	21·5	23·8	24·6	21·5
1858 . . .	23·9	22·4	22·9	24·5	25·8	24·0
1859 . . .	22·7	21·4	21·7	24·1	24·0	22·6
1860 . . .	22·4	22·2	21·2	23·3	24·1	22·1
1861 . . .	23·2	22·1	22·3	25·4	24·0	22·8
1862 . . .	23·6	22·0	22·0	26·3	26·0	22·7
1863 . . .	24·5	23·0	23·8	27·1	26·5	23·3
1864 . . .	26·4	24·6	25·4	30·0	29·0	25·4
1865 . . .	24·5	22·7	24·5	27·5	26·4	23·2
1866 . . .	26·5	22·6	25·3	27·5	34·0	24·1
1867 . . .	23·0	21·8	23·1	25·1	24·2	22·0
1868 . . .	23·5	22·3	22·9	25·6	25·6	22·9
1869 . . .	24·6	22·2	23·5	26·8	28·0	23·9
1870 . . .	24·1	23·8	23·6	26·1	25·1	23·5
1871 . . .	24·6	22·5	25·6	25·0	26·1	24·0
1872 . . .	21·4	19·6	21·1	23·6	23·6	20·6
1873 . . .	22·4	20·5	21·1	25·1	25·2	21·7
1874 . . .	22·4	20·9	21·7	25·6	25·5	21·0
1875 . . .	23·5	22·2	22·1	26·2	25·7	23·3
1876 . . .	21·9	20·9	21·1	24·1	23·9	21·2
1877 . . .	21·5	19·2	21·5	24·2	24·5	20·5
1878 . . .	23·1	21·6	22·0	25·1	25·0	23·0
1879 . . .	22·6	20·9	21·5	26·0	25·5	21·8
1880 . . .	21·7	19·8	20·8	23·4	24·3	21·3
1881 . . .	21·2	19·6	20·6	23·2	24·2	20·5
1882 . . .	21·3	19·8	19·6	23·8	25·2	20·6
1883 . . .	20·5	19·5	19·1	23·3	24·1	19·5
1884* . . .	20·5	19·3	19·2	24·0	23·3	19·8
1885* . . .	19·8	19·4	18·7	23·2	22·7	18·6
1886* . . .	19·9	19·2	18·1	23·6	23·3	19·1

NOTE.—The populations upon which these rates of mortality have been calculated are deduced from the numbers enumerated at the five Censuses of 1841, 1851, 1861, 1871, and 1881. The deaths used for the 46 years 1840–85 are for the calendar years, while those for 1886 are the numbers registered in the 52 weeks ending 1st January 1887.

Hamp-tead and Lewisham did not form part of Registration London prior to 1847. Wandsworth was not included in Registration London until the commencement of 1844, but the facts for that district have been included, in calculating the rates in the above Table, for the years 1840–43.

Certain changes affecting the West and Central groups of districts were made in the year 1868, but no corrections for these changes have been made in this Table for any year prior to 1861.

* Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE **14.**—LONDON. **Population, Zymotic and**

PERIOD AND YEAR.	Population estimated to the middle of each Period or Year.	DEATHS FROM PRINCIPAL ZYMOTIC DISEASES.									
		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Ill-defined Fever.	Diarrhœa and Dysentery.	Cholera.
Cols. - 1	2	3	4	5	6	7	8	9	10	11	12
Periods.											
1838-40 (3 Years.)	1,803,004	5,686	3,756	5,977		4,313		7,159		1,475	111
1841-50	2,103,487	8,416	13,011	18,314		18,079		20,890		16,926	15,588
1851-60	2,570,489	7,150	13,766	26,317		22,497		22,597		26,362	12,886
1861-70	3,018,193	8,347	17,338	34,391	5,323	26,550		27,149		31,578	7,403
1871-80	3,513,843	15,539	17,947	21,247	4,319	28,728	1,887	8,536	2,579	33,108	1,328
1838	1,766,169	3817	588	1524		2083		4078		498	15
1839	1,802,751	634	2036	2499		1161		1819		455	36
1840	1,840,091	1235	1132	1954		1069		1262		522	60
1841	1,878,205	1053	973	663		2278		1151		543	28
1842	1,917,108	360	1293	1224		1603		1184		855	118
1843	1,954,041	438	1442	1867		1908		2094		1005	85
1844	2,033,816	1804	1182	3029		1292		1721		831	65
1845	2,073,298	909	2318	1085		1816		1324		940	43
1846	2,113,535	257	747	928		2035		1838		2308	228
1847	2,202,673	955	1778	1433		1600		3297		2283	117
1848	2,244,837	1620	1144	4767		1630		3685		2247	652
1849	2,287,302	521	1154	2149		2349		2564		3837	14,125
1850	2,330,054	499	980	1169		1568		2032		2077	127
1851	2,373,081	1062	1297	1285		2185		2374		2755	213
1852	2,416,367	1159	595	2571		1569		2183		2513	162
1853	2,459,899	211	978	2016		2667		2617		2649	883
1854	2,503,662	694	1409	3477		2502		2816		3325	10,738
1855	2,547,639	1039	878	2611		2438		2460		2190	149
1856	2,591,815	531	1479	1819		2092		2717		2414	152
1857	2,636,174	156	1341	1599		2527		2195		3298	214
1858	2,680,700	242	2369	4184		2708		1919		2220	131
1859	2,725,374	1158	1330	3481	773	1742		1840		3513	193
1860	2,770,181	898	2090	2017	484	2067		1476		1485	51
1861	2,815,101	217	1062	2381	674	3548		1848		2740	168
1862	2,860,117	366	2334	3492	730	2168		3673		1839	106
1863	2,905,210	1996	1634	4955	799	2175		2871		2492	159
1864	2,950,361	547	2788	3244	611	2423		3782		3013	156
1865	2,995,551	640	1290	2179	431	2935		3217		3721	196
1866	3,040,761	1391	2220	1892	462	2960		2688		3294	5596
1867	3,085,971	1345	1143	1451	447	2278		2184		3060	240
1868	3,131,160	597	1962	2916	495	2338		2468		4110	324
1869	3,176,308	275	1456	5841	340	3769	716	1069	615	3495	219
1870	3,221,394	973	1449	6040	334	1956	472	976	570	3814	239
1871	3,267,251	7912	1427	1902	344	2291	384	871	436	3968	221
1872	3,319,736	1786	1680	918	267	3259	174	807	322	3588	181
1873	3,373,065	113	2149	645	320	2620	277	908	325	3950	162
1874	3,427,250	57	1680	2648	419	1867	312	879	337	3201	123
1875	3,482,306	46	1408	3677	581	3204	128	817	272	3289	108
1876	3,538,246	736	1720	2308	387	2737	159	769	202	3585	135
1877	3,595,085	2551	2387	1580	316	1817	157	901	194	2421	88
1878	3,652,837	1417	1500	1808	566	4483	151	1033	197	3534	124
1879	3,711,517	450	2475	2661	575	2934	71	849	160	1894	53
1880	3,771,139	471	1521	3100	544	3516	74	702	134	3738	133
1881	3,831,719	2367	2536	2114	657	1973	92	971	134	3055	95
1882	3,893,272	430	2338	2006	857	4682	53	975	95	2144	79
1883	3,955,814	136	2441	2006	952	1598	55	963	102	2652	83
1884	4,019,361	1236*	2271	1430	951	3156	32	925	78	3903	163
1885	4,083,928	1419*	2909	722	904	2481	28	597	78	2723	77
1886	4,149,533	24*	2078	688	846	2834	13	618	70	3950	137

NOTE.—Wandsworth was not included in Registration London until 1844, nor Lewisham and throughout, but the population in each year refers to the same

For the years 1838-50 the numbers of deaths from the various diseases are derived from summaries of to calendar years. The

* Including deaths of London residents from small-pox in the

Infant Mortality in 49 Years 1838–86.

Annual Mortality, to 1,000 Persons living, from principal Zymotic Diseases.										Annual Mortality of Infants under One Year of Age to 1000 Births.	Period and Year.
Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric Fever.	Simple and Ill-defined Fever.	Diarrhœa and Dysentery.	Cholera.		
13	14	15	16	17	18	19	20	21	22	23	24
											Periods.
1·06	0·69	1·10		0·80		1·34		0·27	0·02	—	1838–40
0·40	0·62	0·86		0·87		0·98		0·78	0·68	157	(3 years.) 1841–50
0·28	0·53	1·02		0·88		0·89		1·03	0·52	155	1851–60
0·28	0·58	1·13	0·18	0·88		0·91		1·04	0·24	162	1861–70
0·46	0·51	0·60	0·12	0·82	0·05	0·24	0·08	0·95	0·04	158	1871–80
2·16	0·33	0·86		1·18		2·31		0·28	0·01	—	1838
0·35	1·13	1·39		0·64		1·01		0·25	0·02	—	1839
0·67	0·62	1·06		0·58		0·69		0·28	0·03	—	1840
0·56	0·52	0·35		1·21		0·61		0·29	0·01	160	1841
0·19	0·67	0·64		0·84		0·62		0·45	0·06	157	1842
0·22	0·74	0·96		0·98		1·07		0·51	0·04	163	1843
0·89	0·58	1·49		0·64		0·84		0·41	0·03	152	1844
0·44	1·12	0·52		0·88		0·64		0·45	0·02	149	1845
0·12	0·35	0·44		0·96		0·87		1·09	0·11	157	1846
0·43	0·81	0·65		0·73		1·50		1·04	0·05	166	1847
0·72	0·51	2·12		0·73		1·64		1·00	0·29	158	1848
0·23	0·50	0·94		1·03		1·12		1·68	6·18	169	1849
0·21	0·42	0·50		0·67		0·87		0·89	0·05	140	1850
0·45	0·55	0·54		0·92		1·00		1·16	0·09	154	1851
0·48	0·25	1·06		0·65		0·90		1·04	0·07	151	1852
0·09	0·40	0·82		1·08		1·06		1·08	0·36	158	1853
0·28	0·56	1·39		1·00		1·12		1·33	4·29	164	1854
0·41	0·34	1·02		0·96		0·97		0·86	0·06	152	1855
0·20	0·57	0·70		0·81		1·05		0·93	0·06	150	1856
0·06	0·51	0·61		0·96		0·83		1·25	0·08	156	1857
0·09	0·88	1·56		1·01		0·72		0·83	0·05	160	1858
0·42	0·49	1·28	0·28	0·64		0·68		1·29	0·07	150	1859
0·32	0·75	0·73	0·17	0·75		0·53		0·54	0·02	153	1860
0·08	0·38	0·85	0·24	1·26		0·66		0·97	0·06	155	1861
0·13	0·82	1·22	0·26	0·76		1·28		0·64	0·04	143	1862
0·69	0·56	1·70	0·28	0·74		0·99		0·86	0·05	151	1863
0·19	0·95	1·10	0·21	0·82		1·28		1·02	0·05	169	1864
0·21	0·43	0·73	0·14	0·98		1·07		1·24	0·07	171	1865
0·46	0·73	0·62	0·15	0·97		0·88		1·08	1·84	172	1866
0·44	0·37	0·47	0·14	0·74		0·71		0·99	0·08	159	1867
0·19	0·63	0·93	0·16	0·75		0·79		1·31	0·10	166	1868
0·09	0·46	1·84	0·11	1·19	0·23	0·34	0·19	1·10	0·07	170	1869
0·30	0·45	1·87	0·10	0·61	0·15	0·30	0·18	1·18	0·07	164	1870
2·42	0·44	0·58	0·11	0·70	0·12	0·27	0·13	1·21	0·07	171	1871
0·54	0·51	0·28	0·08	0·98	0·05	0·24	0·10	1·08	0·05	158	1872
0·03	0·64	0·19	0·09	0·78	0·08	0·27	0·10	1·17	0·05	160	1873
0·02	0·49	0·77	0·12	0·54	0·09	0·26	0·10	0·93	0·04	156	1874
0·01	0·40	1·06	0·17	0·92	0·04	0·23	0·08	0·94	0·03	162	1875
0·21	0·49	0·65	0·11	0·77	0·04	0·22	0·06	1·01	0·04	157	1876
0·71	0·66	0·44	0·09	0·51	0·04	0·25	0·05	0·67	0·02	146	1877
0·39	0·41	0·49	0·15	1·23	0·04	0·28	0·05	0·97	0·03	164	1878
0·12	0·67	0·72	0·15	0·79	0·02	0·23	0·04	0·51	0·01	148	1879
0·12	0·40	0·82	0·14	0·93	0·02	0·19	0·04	0·99	0·04	158	1880
0·62	0·66	0·55	0·17	0·51	0·02	0·25	0·03	0·80	0·02	148	1881
0·11	0·60	0·52	0·22	1·20	0·01	0·25	0·02	0·55	0·02	151	1882
0·03	0·62	0·51	0·24	0·40	0·01	0·24	0·03	0·67	0·02	146	1883
0·31*	0·57	0·36	0·24	0·79	0·01	0·23	0·02	0·97	0·04	156	1884
0·35*	0·71	0·18	0·22	0·61	0·01	0·15	0·02	0·67	0·02	148	1885
0·01*	0·50	0·17	0·20	0·69	0·00	0·15	0·02	0·95	0·03	159	1886

Hampstead until 1847; thus the figures in the above Table do not relate to the same area area as the facts in the various columns relating to Births and Deaths.

52 or 53 weeks; the numbers for the 35 years 1851–85 are derived from the Annual Reports, and relate figures for 1886 are for 52 weeks.

Metropolitan Asylum Hospitals outside Registration London.

TABLE **15.**—**Causes** of **Deaths** REGISTERED in **London** in each of the 11 Years 1876–1886, and in each Quarter of 1886.

YEARS	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1886. QUARTER ENDING Apr. 3	July 3	Oct. 2	Jan. 1 1887.
CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364* Days.	91 Days	91 Days	91 Days	91 Days
ALL CAUSES	77411	77002	83695	85540	81128	81071	82905	80578	‡ 83388	‡ 80504	‡ 82276	‡ 25717	‡ 17778	‡ 19352	‡ 19429
Small-pox { Vaccinated							108	42	380	398	9	2	6	1	–
Small-pox { Unvaccinated	735	2544	1416	458	475	2371	184	55	417	503	8	5	3	–	–
Small-pox { No statement							139	37	454	502	7	2	3	1	1
Measles	1741	2347	1510	2488	1501	2533	2329	2420	2285	2928	2078	507	537	390	644
Scarlet Fever	2297	1576	1792	2706	3073	2108	2004	1989	1444	707	688	102	102	174	310
Typhus	163	159	150	70	72	96	52	56	31	28	13	3	2	3	5
Relapsing Fever†	–	–	–	–	–	–	1	–	1	–	1	–	–	–	1
Influenza	23	15	9	9	11	8	6	11	6	3	5	2	1	–	2
Whooping-cough	2739	1780	4446	3000	3438	1961	4647	1582	3188	2479	2834	1551	786	295	202
Diphtheria	359	317	558	592	541	654	863	951	973	896	846	220	188	185	253
Simple & Undefined Fever	232	204	201	168	125	123	90	90	78	82	70	18	18	20	14
Enteric Fever	781	886	1010	861	689	977	975	935	936	585	618	124	101	174	219
Simple Cholera	131	88	123	54	134	95	79	83	163	79	137	–	6	125	6
Diarrhœa, Dysentery	3589	2572	3721	1966	3823	3053	2162	2644	3781	2657	3950	201	244	3132	373
Remittent Fever†	–	–	–	–	–	–	21	17	20	16	20	5	4	8	3
Hydrophobia	6	16	5	2	3	5	4	8	9	27	9	5	2	2	–
Glanders	3	3	4	5	3	2	1	1	–	1	2	1	–	–	1
Cowpox and Vaccination†	–	–	–	–	–	–	14	12	12	7	4	–	2	2	–
Venereal Affections	525	500	524	538	537	551	517	583	537	543	544	151	103	166	124
Erysipelas	379	322	278	244	340	353	347	324	381	328	257	58	55	57	87
Pyæmia Septicæmia†	–	–	–	–	–	–	167	147	159	148	134	36	39	25	34
Puerperal Fever	255	217	195	194	268	332	287	307	327	323	279	66	65	69	79
Other Zymotic Diseases†	–	–	–	–	–	–	85	98	102	104	70	15	18	19	18
Thrush	179	167	172	166	185	178	112	127	119	112	113	22	24	46	21
Worms and other Parasitical Diseases	12	18	26	17	32	23	26	17	17	17	18	1	5	4	8
Starvation, Want of Breast Milk†	–	–	–	–	–	–	127	99	87	92	91	13	14	39	25
Alcoholism, Delirium Tremens	195	184	202	215	164	198	226	283	243	180	220	66	50	55	49
Rheumatic Fever, Rheumatism of Heart	509	451	432	445	467	601	338	384	444	416	362	114	76	76	96
Rheumatism							160	145	140	129	104	43	27	21	13
Gout	144	179	135	187	189	162	149	136	163	176	139	45	42	26	26
Rickets†	–	–	–	–	–	–	113	166	190	170	218	78	57	49	34
Cancer	1973	1910	2086	2165	2229	2358	2442	2547	2623	2624	2688	657	653	675	703
Tabes Mesenterica	1456	1450	1515	1468	1630	1384	1370	1421	1594	1324	1591	300	300	646	345
Tubercular Meningitis	1418	1559	1625	1618	1629	1569	1252	1420	1316	1325	1253	359	355	323	236
Phthisis	8731	8519	8885	8800	8029	8312	8409	8917	8881	8372	8332	2320	2046	1913	2053
Scrofula, Tuberculosis	590	654	687	690	734	698	749	788	994	890	954	240	230	278	206
Other Constitutional Dis. †	–	–	–	–	–	–	379	508	515	517	521	152	129	112	128
Premature Birth	1325	1281	1350	1398	1565	1489	1745	1861	1911	1837	1930	501	479	467	483
Atelectasis†	–	–	–	–	–	–	100	136	126	150	128	31	27	37	33
Congenital Malformations	310	349	333	346	348	338	325	328	353	376	319	90	84	75	70
Old Age	2399	2379	2514	2866	2495	2568	2554	2730	2473	2552	2651	918	604	501	628
Apoplexy	2165	2175	2341	2363	2250	2345	2085	1993	2141	2149	2133	647	468	464	554
Epilepsy	387	371	358	396	334	373	345	333	378	346	369	101	98	82	88
Convulsions	2609	2544	2558	2582	2445	2264	2563	2549	2602	2343	2390	678	553	617	542
Other Diseases of Brain, &c.	3790	3947	4197	4341	4135	4091	4678	4481	4440	4313	4462	1319	1097	1021	1025
Diseases of Organs of Special Sense†	–	–	–	–	–	–	86	135	121	112	133	33	36	33	36
Diseases of Circulatory System	4217	4451	4705	4871	4548	4865	5204	5394	5472	5755	6117	2056	1317	1175	1569

* For comparison of the numbers in 1886 with the corrected averages for the ten years 1876-85, see Table 15.
† In consequence of changes of classification, the deaths from these diseases cannot be given for years prior to 1882.
‡ Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 15 (*cont.*)—**Causes of Deaths** REGISTERED in **London** in each of the 11 Years 1876–1886; and in each Quarter of 1886.

YEARS	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1886. QUARTER ENDING Apr. 3	July 3	Oct. 2	Jan. 1 1887.
CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364* Days.	91 Days	91 Days	91 Days	91 Days
Croup	603	529	600	577	570	695	873	827	751	674	523	173	108	99	143
Bronchitis	9231	9607	10879	14212	11138	9874	11003	10011	9211	10352	11232	5458	1830	1037	2957
Pneumonia	4210	4068	4398	5130	4173	4167	4554	4431	4254	4642	4661	1756	1064	641	1200
Pleurisy	237	222	247	268	241	240	269	292	261	327	261	87	67	47	60
Other Diseases of Respiratory System	1937	1850	1906	2141	1841	1792	1695	1511	1484	1563	1587	615	335	224	413
Dentition	681	695	775	732	660	653	705	768	796	766	693	256	180	153	104
Sore Throat, Quinsy†	–	–	–	–	–	–	115	113	102	98	89	22	22	21	24
Enteritis	341	349	370	337	429	442	373	364	336	365	518	86	91	223	118
Peritonitis	298	307	275	281	290	371	347	336	340	330	323	96	81	71	75
Diseases of Liver	1607	1555	1569	1461	1513	1514	1529	1496	1555	1432	1524	367	384	379	394
Others, Digestive System	1279	1317	1290	1339	1342	1377	1424	1500	1662	1468	1561	424	354	416	367
Diseases of Lymphatic System and Ductless Glands†	–	–	–	–	–	–	78	100	105	84	115	29	33	26	27
Diseases of Urinary System	1475	1509	1578	1604	1600	1677	1732	1985	1878	1955	2049	581	504	430	534
Diseases of Generative System	270	297	289	278	229	277	317	293	315	273	283	78	81	55	69
Accidents of Childbirth	354	289	255	245	253	228	225	180	193	182	200	60	49	43	48
Diseases of Locomotive System†	–	–	–	–	–	–	433	393	381	357	389	113	97	78	101
Diseases of Integumentary System†	–	–	–	–	–	–	245	253	279	256	273	77	59	70	67
(ACCIDENT OR NEGLIGENCE.)‡															
Fractures and Contusions	1020	957	965	963	897	1030	1034	1076	1065	985	970	266	281	235	208
Wounds: Gunshot	3	5	7	8	7	8	3	2	7	6	13	2	4	4	3
Wounds: Cut, Stab	32	19	20	19	21	19	25	14	27	18	10	1	5	1	3
Burns and Scalds	240	247	267	318	238	275	249	280	288	299	285	118	55	52	60
Poison	76	67	69	67	58	77	71	79	60	77	63	17	15	15	16
Drowning	343	316	369	311	326	337	351	360	305	233	325	41	84	131	69
Suffocation	559	548	569	630	605	646	643	626	601	574	595	183	145	112	155
Otherwise	211	158	150	154	128	184	126	115	165	111	132	30	33	47	19
Battle	–	–	–	–	–	–	2	–	1	–	–	–	–	–	–
(HOMICIDE.)‡															
Murder and Manslaughter	96	78	78	88	89	87	83	75	70	62	68	19	19	16	14
(SUICIDE.)‡															
Wounds: Gunshot	17	20	30	28	25	28	29	39	42	35	29	5	15	9	10
Wounds: Cut, Stab	66	55	59	77	69	83	61	61	80	67	87	12	29	22	24
Poison	57	49	64	70	74	70	62	81	70	84	93	24	30	21	18
Drowning	68	44	59	64	67	59	64	61	71	42	65	15	18	23	11
Hanging	67	81	74	100	85	83	69	95	71	77	89	28	30	22	9
Otherwise	23	24	29	33	32	39	27	31	33	40	29	7	8	6	8
(EXECUTION.)															
Hanging	7	4	1	3	4	–	2	2	2	4	–	–	–	–	–
ALL OTHER CAUSES	–	–	–	–	–	–	3458	3438	3500	3045	3258	835	629	1040	754

* For comparison of the numbers in 1886 with the corrected averages for the ten years 1876–85, see Table 15.
† In consequence of changes of classification, the deaths from these diseases cannot be given for years prior to 1882.
‡ The evidence at inquests is often insufficient to enable the coroner to certify whether a violent death resulted from accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

TABLE **16.—Deaths** REGISTERED in **London** at several groups of **Ages** and from different **Causes** during the 52 Weeks ending Saturday 1st January 1887.

CAUSES OF DEATH.	Annual Average, 1876-85.	TOTAL AT ALL AGES.	Under 5 Years.		5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and upwds.
			Under 1 Year.	1–5.					
ALL CAUSES‖	* 88,339	82,276	21,231	13,088	4592	9956	14,044	15,987	3378
Small-pox † { Vaccinated / Unvaccinated / No Statement } ‖	1218	9 / 8 / 7	–	–	–	6	3	–	–
			2	3	1	2	–	–	–
			–	1	–	4	2	–	–
Measles	2399	2078	404	1515	150	9	–	–	–
Scarlet Fever	2140	688	46	464	161	15	2	–	–
Typhus	95	13	–	–	2	7	4	–	–
Relapsing Fever	1‡	1	–	–	–	1	–	–	–
Influenza	11	5	2	1	1	–	–	1	–
Whooping-cough	3178	2834	1079	1651	103	–	1	–	–
Diphtheria	728	846	48	506	251	23	13	5	–
Simple and Undefined Fever	151	70	3	23	20	7	6	10	1
Enteric Fever	938	618	8	41	208	249	94	18	–
Simple Cholera	112	137	73	30	5	8	8	13	–
Diarrhœa, Dysentery	3255	3950	2887	683	25	32	71	182	70
Remittent Fever	19‡	20	1	17	–	2	–	–	–
Hydrophobia	9	9	–	–	4	3	2	–	–
Glanders	2	2	–	–	1	–	1	–	–
Cowpox and Vaccination	12‡	4	4	–	–	–	–	–	–
Venereal Affections	582	544	382	30	6	50	53	19	4
Erysipelas	358	257	71	7	13	54	54	72	6
Pyæmia, Septicæmia	161‡	134	18	10	25	37	31	13	–
Puerperal Fever	294	279	–	–	9	255	15	–	–
Other Zymotic Diseases	101‡	70	14	37	2	8	5	2	2
Thrush	165	113	111	2	–	–	–	–	–
Worms & other Parasitical Diseases	22	18	1	3	–	7	5	2	–
Starvation, Want of Breast-milk	105	91	86	2	1	1	1	–	–
Alcoholism, Delirium Tremens	227	220	–	–	–	92	101	26	1
Rheumatic Fever, Rheumatism of Heart	550	362	1	8	118	126	78	31	–
		104	–	–	2	8	32	51	11
Rheumatism	176	139	–	–	–	3	37	88	11
Gout	165‡	218	61	155	2	–	–	–	–
Rickets									
Cancer	2494	2688	2	13	21	231	1199	1144	78
Tabes Mesenterica	1587	1591	1029	430	84	33	10	5	–
Tubercular Meningitis	1600	1253	451	586	200	25	10	1	–
Phthisis	9326	8332	153	223	772	3956	2725	494	9
Scrofula, Tuberculosis	812	954	342	300	146	105	49	12	–
Other Constitutional Diseases	497‡	521	37	28	59	94	158	155	10
Premature Birth	1712	1930	1929	1	–	–	–	–	–
Atelectasis	133‡	128	127	1	–	–	–	–	–
Congenital Malformations	870	319	290	16	9	4	–	–	–
Old Age	2773	2651	–	–	–	–	18	1353	1280
Apoplexy	2391	2133	26	30	9	160	667	1089	152
Epilepsy	393	369	18	18	49	101	101	74	8
Convulsions	2722	2390	1983	390	16	1	–	–	–
Other Diseases of Brain, &c.	4607	4462	737	793	323	337	746	1332	189
Diseases of Organs of Special Sense	118	138	29	30	39	24	10	5	1
Diseases of Circulatory System	5375	6117	61	37	380	914	1981	2416	328

* These averages have been raised for increase of population between the middle of the period 1876–85, and the middle of 1886, and also to afford comparison with the deaths recorded in the 52 weeks of 1886. For the population at each group of ages, estimated to the middle of 1886, *see* Table 25.

† Those cases of small-pox only are returned as "Vaccinated" or as "Unvaccinated" which are so certified by registered medical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cause of death is not certified by a registered practitioner, the case is returned under the heading "No Statement."

‡ In consequence of changes of classification the deaths from these diseases in years prior to 1832 cannot be ascertained; the averages are therefore only for the four years 1882–85.

‖ Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 16 (*continued*).—**Deaths** REGISTERED in **London** at several groups of **Ages** from different **Causes** during the 52 Weeks ending Saturday 1st January 1887.

CAUSES OF DEATH.	Annual Average 1876-85.	TOTAL AT ALL AGES.	Under 5 Years.		5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 and upwds.
			Under 1 Year.	1–5.					
Croup	* 728	523	60	399	64	–	–	–	–
Bronchitis	11462	11282	2665	1893	128	318	1711	3796	773
Pneumonia	4783	4661	987	1272	240	598	829	656	79
Pleurisy	283	261	8	26	26	62	82	50	7
Other Diseases of Respiratory System	1928	1587	266	267	79	138	361	424	52
Dentition	785	693	407	286	–	–	–	–	–
Sore Throat, Quinsy	111‡	89	13	31	21	13	5	4	2
Enteritis	403	518	244	70	49	35	60	57	3
Peritonitis	345	323	25	17	57	83	81	53	7
Diseases of Liver	1655	1524	135	20	11	218	632	466	42
Others, Digestive System	1521	1561	383	85	71	180	320	463	59
Disease of Lymphatics, &c.	95‡	115	9	16	17	21	32	17	–
Diseases of Urinary System	1346	2049	23	67	80	362	711	719	87
Diseases of Generative System	303	283	4	3	9	101	106	53	7
Accidents of Childbirth	261	200	–	–	9	170	21	–	–
Diseases of Locomotive System	405‡	389	14	43	156	77	55	41	3
Diseases of Integumentary System	267‡	273	89	17	10	19	47	77	14
(ACCIDENT OR NEGLIGENCE.)†									
Fractures and Contusions	1085	970	28	108	137	191	262	198	46
Wounds { Gunshot	6	13	–	–	5	5	2	1	–
Wounds { Cut, Stab	23	10	–	–	4	4	2	–	–
Burns and Scalds	293	285	19	135	38	25	30	31	7
Poison	76	63	1	4	3	19	23	11	2
Drowning	407	325	4	10	116	119	63	13	–
Suffocation	652	593	542	10	5	18	13	6	1
Otherwise	164	132	49	13	11	22	28	9	–
(BATTLE.)									
Gunshot Wounds	–	–	–	–	–	–	–	–	–
(HOMICIDE.)†									
Murder and Manslaughter	88	68	36	2	1	10	12	7	–
(SUICIDE.)†									
Wounds { Gunshot	32	29	–	–	4	15	16	4	–
Wounds { Cut, Stab	74	87	–	–	3	28	33	22	1
Poison	74	93	–	1	3	37	45	7	–
Drowning	65	65	–	–	8	24	24	9	–
Hanging	87	89	–	–	5	23	36	25	–
Otherwise	34	29	–	–	–	10	15	4	–
(EXECUTION.)									
Hanging	3	–	–	–	–	–	–	–	–
All Other Causes	5480‡	3258	2724	208	20	36	94	151	25

* *See* note * on preceding page.

† The evidence at inquests is often insufficient to enable the coroner to certify whether a violent death resulted from accident, murder, manslaughter, or suicide. All such cases are classed under "accident or negligence."

‡ In consequence of changes of classification the deaths from these diseases in years prior to 1882 cannot be ascertained the averages in these cases are therefore only for the four years 1882-85.

TABLE **17.—Deaths** REGISTERED in the **London Registration Districts,** and **Mean Temperature** at **Greenwich,** in each of the 11 Years 1876-1886.

REGISTRATION DISTRICTS.	AREA in Acres.*	DENSITY, Persons to an Acre, 1881.	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886
Mean Temperature - - -	—	—	50°·1	49°·7	49°·6	46°·2	49°·4	48°·8	49°·7	49°·4	50°·7	48°·8	48°·7
LONDON - -	78,052	49	77,671	77,449	84,188	83,805	81,832	81,346	82,913	80,995	82,289	80,820	82,276
1α PADDINGTON - - -	1251	86	1971	1897	1942	2068	1881	1871	1943	1974	1974	2040	2066
1b KENSINGTON - - -	2190	74	2914	2576	3118	2910	2874	2818	3074	2930	3033	3193	3107
2 FULHAM - - - -	4209	27	1964	1771	2358	2219	2231	2472	2500	2618	2696	2761	2770
3 CHELSEA - - - -	861	102	1753	1746	1920	2108	2008	1946	2057	2096	2065	2208	2137
4 ST. GEO. HANOVER SQ. -	2051	73	3370	3163	3340	3315	3163	3122	3086	3074	3040	2916	3086
5 WESTMINSTER - - -	216	216	971	873	1098	979	986	931	880	775	841	772	784
6 MARYLEBONE - - -	1506	103	3627	3511	3654	3850	3498	3326	3115	2993	2807	2853	2870
7 HAMPSTEAD - - -	2248	20	693	901	873	626	580	619	666	690	841	770	771
8 PANCRAS - - - -	2672	88	5193	5122	5365	5486	5338	5225	5077	4988	5181	5005	5041
9 ISLINGTON - - - -	3107	91	4969	5111	5376	5456	5716	5617	5643	5561	5515	5729	5493
10 HACKNEY - - - - -	3935	47	3107	3550	3696	3440	3545	3990	3683	3756	3964	3793	3772
11 ST. GILES - - - -	245	185	1111	1095	1101	1095	1135	1019	1011	1009	1029	890	884
12 STRAND - - - -	433	73	999	973	1073	1123	961	912	935	913	924	821	868
13 HOLBORN - - - -	816	186	3651	3633	3680	3739	3209	3106	3187	2939	3039	2897	2950
14 LONDON CITY - - -	731	70	1639	1583	1561	1591	1417	1469	1450	1448	1390	1422	1338
15 SHOREDITCH - - - -	648	195	2825	2877	3133	3074	2959	3001	3247	3023	2873	2950	3199
16 BETHNAL GREEN - - -	755	168	2832	2904	2957	2919	2910	3064	3088	3082	2849	2807	2992
17 WHITECHAPEL - - -	405	176	2361	2511	2445	2448	2245	2361	2344	2257	2200	2084	2257
18 ST. GEO.-IN-THE-EAST -	244	193	1151	1224	1152	1409	1212	1333	1197	1248	1185	1287	1185
19 STEPNEY - - - -	569	103	1264	1299	1334	1402	1325	1279	1355	1396	1316	1297	1316
20 MILE END OLD TOWN -	679	156	2223	2199	2287	2484	2346	2258	2386	2263	2193	2091	2146
21 POPLAR - - - - -	2648	59	3377	3474	3679	3672	3797	3524	3979	3734	3719	3569	3591
22 ST. SAVIOUR SOUTHWARK -	1170	167	4071	4336	4765	4728	4599	4270	4754	4366	4647	4229	4529
23 ST. OLAVE SOUTHWARK -	1728	78	3408	3275	3810	3712	3364	3346	3514	3310	3382	3031	3386
24 LAMBETH - - - -	4060	62	5197	5534	5801	5669	5750	5406	5687	5402	5451	5212	5466
25 WANDSWORTH - - -	11707	18	3163	3004	3308	3423	3637	3660	3845	4105	4203	4202	4396
26 CAMBERWELL - - -	4450	42	2757	2711	3357	3454	3546	3491	3777	3428	3845	3765	3982
27 GREENWICH - - - -	3801	35	2433	2333	2809	2841	2956	3458	3026	2925	3193	3059	2994
28 LEWISHAM - - - -	11436	6	973	920	1064	985	1064	1051	1074	1054	1117	1129	1178
29 WOOLWICH - - - -	7281	11	1699	1343	2132	1550	1594	1401	1330	1538	1439	1534	1709
METROPOLITAN ASYLUM SMALL-POX HOSPITALS.													
DARTFORD - - - -	—	—	—	—	—	—	—	—	—	—	253	449	19
PLAISTOW - - - -	—	—	—	—	—	—	—	—	—	—	85	55	—

NOTE. — This Table is compiled from the Abstracts which appear in the Registrar General's Annual Reports, excepting for the year 1886, for which the numbers are derived from the Weekly Returns embracing 52 weeks.

* These areas have been supplied to the Registrar General by the Ordnance Survey Department, and include 2713 acres of tidal water, or of the river Thames. For area of Greater London see Table 8.

TABLE **18.**—LONDON REGISTRATION DISTRICTS.—**Births** and **Deaths**; DEATHS of INFANTS under 1 Year of Age, and of PERSONS aged 60 Years and upwards, from ZYMOTIC DISEASES, VIOLENCE, INQUEST CASES, DEATHS in PUBLIC INSTITUTIONS, and UNCERTIFIED DEATHS, during the 52 Weeks ending Saturday, 1st January 1887.

REGISTRATION DISTRICTS.	Enumerated **Population**, 1881.	Total BIRTHS in 52 Weeks.	Total DEATHS in 52 Weeks.	The DEATHS registered in the 52 Weeks include															
				Deaths of		Deaths from													
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LONDON - -	3816483	133700	82276	21231	19365	24	2078	688	846	2834	13	618	70	3950	137	2863	5891	17007	949
WEST DISTRICTS -	669633	20216	13950	3204	3639	-	287	90	158	435	-	79	9	583	16	452	926	3464	111
NORTH DISTRICTS -	905947	30046	17947	4625	4462	3	362	199	177	570	6	180	12	888	47	574	1272	3426	49
CENTRAL DISTRICTS -	282238	8027	6040	1397	1274	-	139	24	77	191	1	55	6	293	4	321	624	1522	41
EAST DISTRICTS - -	602738	26804	16686	4439	3607	-	484	185	122	636	2	123	14	923	17	691	1504	4201	144
SOUTH DISTRICTS -	1265927	48607	27634	7514	6383	2	806	190	312	1002	4	181	29	1253	53	825	1565	4375	604
HOSPITAL SHIP, DARTFORD	—	—	19	2	-	19	-	-	-	-	-	-	-	-	-	-	-	19	-
WEST DISTRICTS.																			
1a. PADDINGTON - -	107218	2893	2036	445	575	-	67	10	36	56	-	17	1	87	3	97	183	503	2
1b. KENSINGTON - -	163151	4148	3107	635	938	-	57	7	23	82	-	9	1	105	1	61	136	955	22
2. FULHAM - - -	114839	5501	2770	859	586	-	72	49	29	98	-	25	4	177	5	95	214	280	16
3. CHELSEA - - -	88128	3238	2137	520	534	-	37	5	28	95	-	11	2	95	2	41	114	577	3
4. ST. GEO. HANOVER SQ.	149748	3466	3086	572	806	-	39	17	46	95	-	16	1	96	2	139	234	1001	56
5. WESTMINSTER - -	46549	965	784	173	200	-	15	2	1	9	-	1	-	23	3	19	45	148	12
NORTH DISTRICTS.																			
6. MARYLEBONE - -	154910	4648	2870	735	634	1	67	9	13	86	-	15	1	138	4	96	196	555	5
7. HAMPSTEAD - - -	45452	1325	771	174	203	-	15	2	7	20	-	7	-	24	-	16	42	87	5
8. PANCRAS - - -	236258	7593	5041	1198	1335	-	124	16	44	126	-	33	1	215	13	215	475	1403	14
9. ISLINGTON - - -	282865	9814	5493	1512	1352	2	66	28	71	214	2	46	3	316	19	138	337	817	9
10. HACKNEY - - -	186462	6666	3772	1036	938	-	90	144	42	124	4	79	17	195	11	109	222	564	16
CENTRAL DISTRICTS.																			
11. ST. GILES - - -	45382	1286	884	202	251	-	43	3	2	40	-	4	1	39	-	34	87	189	4
12. STRAND - - - -	33582	666	868	162	173	-	12	2	12	19	-	10	-	37	-	66	114	348	6
13. HOLBORN - - -	151835	5251	2950	902	535	-	77	14	27	116	-	15	5	199	4	93	241	319	19
14. LONDON CITY - -	51439	824	1338	131	315	-	7	5	36	16	1	26	-	23	-	128	182	666	12
EAST DISTRICTS.																			
15. SHOREDITCH - - -	126591	4779	3199	884	822	-	87	33	20	137	-	24	1	201	3	109	218	822	22
16. BETHNAL GREEN - -	126961	5194	2992	888	602	-	108	25	16	152	1	15	3	156	5	83	231	532	12
17. WHITECHAPEL - -	71363	2534	2257	461	390	-	51	13	34	46	-	21	1	81	1	175	291	1169	19
18. ST. GEO.-IN-THE-EAST	47157	1811	1185	324	265	-	33	15	3	39	-	5	-	94	1	28	109	305	27
19. STEPNEY - - -	58543	2102	1316	425	183	-	36	13	17	64	-	15	2	107	-	59	117	249	16
20. MILE END OLD TOWN	105613	4077	2146	564	552	-	55	42	10	100	1	15	-	138	1	45	136	309	34
21. POPLAR - - - -	156510	6307	3591	943	793	-	114	44	22	98	-	28	7	151	6	192	402	815	14
SOUTH DISTRICTS.																			
22. ST. SAVIOUR SOUTHWARK	195164	7295	4529	1257	1022	-	133	50	31	147	2	14	5	189	-	96	244	786	91
23. ST. OLAVE SOUTHWARK	134632	5159	3386	830	646	-	115	24	41	113	-	15	1	167	7	182	309	846	42
24. LAMBETH - - -	253699	9048	5460	1372	1286	-	141	48	85	196	-	35	6	240	6	146	278	1112	129
25. WANDSWORTH - -	210434	8894	4396	1385	996	-	122	22	32	214	-	35	6	226	9	111	228	390	70
26. CAMBERWELL - -	186593	7305	3982	1150	991	1	92	12	28	152	1	33	3	185	11	88	197	456	62
27. GREENWICH - - -	131233	5249	2994	787	673	1	112	27	52	105	1	31	2	111	5	109	170	475	119
28. LEWISHAM - - -	73327	2563	1178	302	363	-	8	4	22	38	-	8	-	69	1	33	49	86	23
29. WOOLWICH - - -	80845	3289	1709	431	401	-	80	3	21	57	-	10	6	66	14	60	90	224	68
HOSPITAL SHIP, DARTFORD	—	—	19	2	-	19	-	-	-	-	-	-	-	-	-	-	-	19	-

TABLE 19.—LONDON REGISTRATION SUB-DISTRICTS.—TOTAL **Births** and **Deaths**; DEATHS of INFANTS under 1 Year of Age, and of PERSONS aged 60 Years and upwards; ZYMOTIC DISEASES, VIOLENCE, INQUEST CASES, DEATHS in PUBLIC INSTITUTIONS, and UNCERTIFIED DEATHS during the 52 Weeks ending Saturday, 31 January 1887.

REGISTRATION SUB-DISTRICTS.	Enumerated Population, 1881.	Total Births in 52 Weeks.	Total Deaths in 52 Weeks.	The DEATHS registered in the 52 Weeks include: Deaths of: Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Deaths from: Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.	Inquest Cases.	Deaths in Public Institutions.
WEST DISTRICTS.																		
St. Mary Paddington *WHH*	69883	2366	1450	379	404	-	57	10	21	49	-	10	1	78	1	41	103	256
St. John Paddington *H* -	37330	532	616	66	171	-	10	-	15	7	-	7	-	9	2	56	80	247
Kensington Town *Ww* -	120141	3377	2499	542	792	-	52	2	19	58	-	5	1	86	1	55	114	821
Brompton *H* - - -	43010	771	608	93	146	-	5	5	4	24	-	4	-	19	-	6	22	184
St. Peter Hammersmith -	7599	251	118	31	33	-	-	-	2	3	-	-	2	10	-	2	6	-
St. Paul Hammersmith *H*	64340	2570	1297	394	298	-	15	9	15	45	-	12	1	86	3	54	119	54
Fulham *WwH* - - -	42900	2689	1355	434	255	-	57	40	12	50	-	13	1	81	2	39	89	226
Chelsea South *HHH* -	30396	939	652	164	171	-	12	1	10	35	-	4	1	36	-	21	43	65
Chelsea N.-west *WHHHHHH*	24925	988	903	148	260	-	3	4	7	26	-	3	1	27	-	10	34	512
Chelsea North-east - -	32807	1311	582	208	103	-	22	-	6	34	-	4	-	32	2	10	37	-
Hanover Square *H* - -	16862	236	189	31	66	-	1	-	3	4	-	1	-	10	-	4	13	1
Mayfair *W* - - - -	13491	195	458	26	258	-	6	-	1	7	-	1	-	5	-	2	15	368
Belgrave *WHHH* - -	59220	1330	1253	212	280	-	13	2	28	29	-	10	1	30	1	73	107	428
St. John Westminster *HHH*	35496	1171	681	199	105	-	14	11	1	38	-	3	-	32	1	18	46	20
St. Margaret Westmstr. *H* -	24679	534	505	104	97	-	5	4	13	17	-	1	-	19	-	42	53	184
St. James Westminster *WH*	29941	545	484	104	145	-	11	1	1	6	-	-	-	14	2	12	28	98
St. Anne Soho - *HHHH* -	16608	420	300	69	55	-	4	1	-	3	-	1	-	9	1	7	17	50
NORTH DISTRICTS.																		
All Souls (Mylebo) *HHHH*	26759	636	780	113	144	-	21	1	5	11	-	5	-	16	1	45	72	368
Cavendish Square *H* - -	14891	220	138	21	57	-	1	-	-	5	-	-	-	5	-	5	8	3
Rectory (Marylebone) *WH* -	24809	613	422	110	107	-	5	1	-	7	-	3	-	20	-	13	27	101
St. Mary (Marylebone) *HHH*	21118	1344	379	155	77	1	9	1	-	10	-	-	-	27	1	10	22	72
Christchurch (Marylebone) *H*	33700	992	637	206	110	-	19	3	5	26	-	3	1	47	1	13	36	5
St. John (Marylebone) *H* -	33633	843	514	130	139	-	12	3	3	27	-	4	-	23	1	10	31	6
Hampstead *WwwHHH* -	45452	1325	771	174	203	-	15	2	7	20	-	7	-	24	-	16	42	87
Regent's Park *H* - -	39115	1090	604	166	166	-	15	1	3	21	-	3	-	32	1	26	65	10
Tottenham Court *wHHH* -	27729	771	874	167	149	-	23	1	18	19	-	7	-	22	3	43	76	476
Gray's Inn Lane *HHH* -	30247	896	686	151	148	-	22	2	5	16	-	6	-	34	1	45	82	147
Somers Town *H*- - -	34369	1197	654	186	142	-	20	2	3	26	-	7	1	34	1	26	54	56
Camden Town *WH* - -	17311	702	754	133	382	-	12	3	1	8	-	5	-	19	-	40	88	494
Kentish Town *W* - -	87487	2937	1409	395	348	-	32	7	14	36	-	5	-	74	7	35	110	220
Upper Holloway *WWwH* -	67946	2705	1895	412	570	2	11	7	21	53	1	6	-	85	9	33	84	734
Islington South-west *HH* -	100976	3616	1760	571	326	-	30	12	13	89	-	19	2	125	5	54	140	55
Islington South-east - -	61895	1938	1051	324	247	-	18	8	17	48	-	12	-	63	4	30	69	-
Highbury *H* - - -	52048	1525	787	205	209	-	7	1	20	29	1	9	1	43	1	21	44	28
Stoke Newington *H* - -	22781	760	356	93	107	-	9	1	6	11	-	4	3	18	2	10	19	1
Stamford Hill - - -	9277	523	233	62	51	-	1	1	6	17	-	3	-	12	1	10	15	-
West Hackney - - -	37610	1190	613	168	151	-	18	3	5	21	-	9	-	49	1	14	28	-
Hackney *WwwwHL* - -	76911	2803	1871	458	476	-	40	131	15	38	4	55	3	80	6	55	108	563
South Hackney - - -	39883	1390	699	225	153	-	22	8	10	37	-	8	1	36	1	20	52	-
CENTRAL DISTRICTS.																		
St. George Bloomsbury -	16681	369	214	45	56	-	17	2	2	9	-	2	1	5	-	9	25	-
St. Giles South *WH* - -	14864	652	456	99	149	-	14	1	-	24	-	1	-	22	-	13	49	189
St. Giles North - - -	13837	265	211	58	46	-	12	-	-	7	-	1	-	12	-	7	13	-
St. Martin-in-the-Fields *HH*	17508	356	425	71	91	-	5	-	5	11	-	5	-	18	-	36	60	159
St. Mary-le-Strand *H* -	7515	136	104	28	29	-	2	1	-	3	-	1	-	4	-	6	15	5
St. Clement Danes *H* -	8559	174	339	63	53	-	5	1	7	5	-	4	-	15	-	24	39	184
St. Geo. the Martyr *HHHHHH*	18671	528	541	113	97	-	7	1	18	24	-	5	-	24	1	10	23	223
St. Andrew Eastern *W* -	10706	275	183	56	35	-	6	-	-	12	-	-	-	11	-	5	16	36
Saffron Hill *H* - - -	6533	134	122	18	28	-	4	-	1	5	-	1	1	5	-	7	11	-
St. James Clerkenwell -	17516	564	310	102	56	-	5	1	1	10	-	2	1	24	-	6	31	-
Amwell - - - -	19281	590	293	90	56	-	4	1	1	17	-	1	1	16	1	10	26	-
Pentonville - - -	14773	483	239	89	42	-	8	3	2	1	-	-	-	30	1	6	20	-
Goswell Street - - -	17506	642	328	94	73	-	1	3	-	14	-	2	-	21	-	13	30	-
Old Street *H* - - -	11541	464	215	83	40	-	7	-	-	6	-	3	-	18	-	11	18	3
City Road *HHL* - -	18628	953	417	131	63	-	16	4	2	16	-	-	2	32	1	19	39	57
Whitecross Street - -	9217	386	198	69	27	-	16	1	2	8	-	-	-	11	-	2	13	-
Finsbury - - - -	7463	182	104	37	18	-	3	-	-	3	-	1	-	7	-	4	11	-
St. Botolph *H* - - -	11174	252	185	42	54	-	4	2	3	6	1	3	-	7	-	8	15	2
Cripplegate - - - -	7193	112	72	10	41	-	2	-	-	2	-	-	-	2	-	1	4	-
St. Sepulchre *H* - -	5358	105	737	42	107	-	1	2	29	4	-	21	-	8	-	89	115	659
St. Bride *W* - - -	8396	150	117	17	37	-	-	-	1	-	-	1	-	4	-	6	14	5
Allhallows Barking - -	13666	143	152	14	47	-	-	1	2	3	-	1	-	2	-	19	25	-
Broad Street *H* - - -	5652	62	75	6	29	-	-	-	1	1	-	-	-	-	-	5	9	6

Note.—The letters placed against the names of the sub-districts denote Public Institutions situated therein, namely:—*W*—Workhouse; *w*—Workhouse Establishment receiving inmates from other Districts than that in which it stands (see note at the foot of next page); *H*—Hospital; *L*—Lunatic Asylum. Deaths in Prisons and Military Asylums are not included.

TABLE **19** (*continued*). LONDON REGISTRATION SUB-DISTRICTS.—TOTAL **Births** and **Deaths**; DEATHS of INFANTS under 1 Year of Age, and of PERSONS aged 60 Years and upwards; ZYMOTIC DISEASES, VIOLENCE, INQUEST CASES, DEATHS in PUBLIC INSTITUTIONS, and UNCERTIFIED DEATHS, during the 52 Weeks ending Saturday, 1st January 1887.

REGISTRATION SUB-DISTRICTS.	Enumerated Population, 1881.	Total Births in 52 Weeks.	Total Deaths in 52 Weeks.	The DEATHS registered in the 52 Weeks include															
				Deaths of		Deaths from													
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhœa.	Cholera.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
EAST DISTRICTS.																			
Holywell (Shoreditch)	7376	263	156	44	26	–	3	–	–	6	–	3	–	8	–	9	17	–	2
St. Leonard (Shoreditch) *HL**	14967	473	324	101	57	–	7	2	–	5	–	2	–	21	–	15	25	87	2
Hoxton New Town *w*	29937	1171	837	202	346	–	12	6	–	20	–	5	–	53	1	23	48	318	3
Hoxton Old Town	28036	1022	564	187	93	–	18	15	5	30	–	6	–	41	–	16	39	–	7
Haggerston *WH*	46275	1850	1318	350	300	–	47	10	15	76	–	8	1	78	2	46	88	417	8
Hackney Road *H*	29738	1183	560	208	79	–	22	2	4	44	1	6	1	42	2	18	60	18	7
Green (Bethnal Green) *WHL**	47932	1936	1407	306	383	–	33	11	6	45	–	5	1	57	–	37	97	514	1
Church (Bethnal Green)	29981	1269	601	211	89	–	30	6	3	32	–	1	1	36	1	16	44	–	4
Town (Bethnal Green)	19310	806	424	163	51	–	23	6	3	31	–	3	–	21	2	12	30	–	–
Spitalfields *H*	22585	726	309	99	52	–	12	–	3	12	–	4	–	15	–	12	42	–	6
Mile End New Town *W*	15473	786	596	112	176	–	19	7	4	19	–	3	–	25	1	10	51	323	4
Whitechapel Church *H*	17490	603	1119	174	118	–	17	5	26	9	–	12	1	32	–	141	169	816	4
Goodman's Fields	9713	223	133	46	33	–	2	1	–	5	–	2	–	6	–	3	11	–	1
Aldgate	6102	196	100	30	11	–	1	–	1	1	–	–	–	3	–	9	18	–	4
St. George's North (St. George-in-the-East)	38747	1492	746	251	103	–	29	11	2	24	–	3	–	74	1	15	79	–	27
St. John (St.Geo.-in-the-East) *W*	8410	319	439	78	162	–	4	4	1	15	–	2	–	20	–	13	30	305	–
Shadwell *HH*	10395	425	467	166	32	–	7	5	14	18	–	5	1	46	–	30	47	249	–
Ratcliff	16107	457	268	73	46	–	5	5	–	17	–	6	–	10	–	8	20	–	4
Limehouse	32041	1220	581	186	105	–	24	3	3	29	–	4	1	51	–	21	50	–	12
Mile End Old Town Western	37960	1523	686	216	129	–	17	15	5	41	–	3	–	51	1	14	31	–	22
Mile End Old Town Eastn. *WwwH*	67653	2549	1460	348	423	–	38	27	5	59	1	12	–	87	–	31	105	369	12
Bow	37074	1461	651	219	123	–	14	9	2	30	–	5	1	40	–	27	63	–	–
Bromley *wwwH*	64359	2839	1896	407	506	–	53	18	6	44	–	12	3	74	5	87	180	745	6
Poplar *WH*	55077	2007	1044	317	164	–	47	17	14	24	–	11	3	37	1	78	159	70	8
SOUTH DISTRICTS.																			
Christchurch Southwark *WH*	13663	463	373	95	161	–	3	2	3	5	–	1	–	14	–	8	18	138	7
St. Saviour Southwark	14999	453	249	61	43	–	6	4	2	6	–	1	–	12	–	13	21	–	5
Grant Road	21381	833	498	160	67	–	23	3	1	26	1	2	1	17	–	11	35	–	12
Borough Road *WH*	15033	606	385	118	46	–	7	7	10	17	–	–	–	18	–	13	46	99	3
London Road *HL*	21318	715	436	137	79	–	10	4	1	20	1	1	–	25	–	10	43	31	7
Trinity Newington	26672	997	478	169	82	–	20	7	1	13	–	4	–	20	–	9	18	–	17
St. Peter Walworth *W*	59355	2237	1648	383	434	–	57	18	11	51	–	5	1	53	–	24	47	518	24
St. Mary Newington	21623	941	462	134	110	–	10	5	2	9	–	–	3	30	–	8	16	–	16
St. Olave Southwark *WH*	11956	367	732	69	117	–	6	1	26	7	–	5	–	22	–	102	138	516	3
Weather Market	16300	633	366	136	58	–	20	6	1	19	–	–	–	25	–	5	20	–	14
St. Mary Magdalen *W*	15649	626	400	90	127	–	10	1	2	11	–	1	–	17	1	9	27	114	7
St. James Bermondsey	54683	2089	932	288	159	–	40	9	9	46	–	5	1	54	1	24	54	–	10
Rotherhithe *WH*	36024	1444	956	247	205	–	39	7	3	30	–	4	–	49	5	42	70	216	8
Waterloo Road First *H*	15195	562	306	93	34	–	5	4	2	17	–	–	–	19	–	2	16	48	10
Waterloo Road Second *H*	16351	926	306	116	59	–	7	3	1	10	–	1	–	18	–	12	25	12	8
Lambeth Church First *H*	19876	690	906	157	113	–	24	–	53	15	–	16	1	27	1	79	93	552	10
Lambeth Church Second *WW*	39859	1618	1212	271	358	–	47	8	6	25	–	3	2	59	2	17	45	462	36
Lamington First	45232	1645	820	247	191	–	23	14	7	22	–	2	1	42	1	11	36	–	22
Lamington Second	35332	1061	620	148	199	–	12	6	5	38	–	3	–	22	1	6	18	–	16
Lambeth	62837	1933	989	270	263	–	11	11	7	51	–	8	2	42	1	15	38	5	23
Norwood *W*	19017	613	301	70	78	–	12	2	4	18	–	2	–	11	–	4	7	83	4
Clapham *H*	36380	1071	545	150	149	–	11	1	6	34	–	3	1	22	1	14	33	2	4
Battersea	54675	2523	1129	430	143	–	44	9	6	62	–	10	1	78	4	29	62	–	18
East Battersea *Ww*	52587	2017	1348	402	361	–	26	5	3	42	–	12	1	66	4	35	64	261	28
Wandsworth *HL*	28004	1255	722	207	152	–	28	6	10	31	–	6	2	28	–	20	44	127	7
Putney	13235	350	179	52	50	–	2	1	1	19	–	2	–	12	–	4	8	–	2
Fulham	25553	1078	473	144	141	–	11	–	6	26	–	2	1	20	–	9	17	–	11
Hampstead	5590	84	55	10	22	–	–	–	–	–	–	1	–	1	–	–	1	–	–
Islington *WL*L**	59104	2453	1483	333	483	–	25	3	15	42	–	14	–	58	7	22	52	440	10
Clerkenwell *W*	57089	2581	1392	441	314	1	50	5	7	65	–	7	1	62	1	36	72	16	29
St. George (Camberwell)	50810	2187	1052	366	172	–	17	4	6	45	1	11	2	64	3	30	72	–	23
St. Paul Deptford *ww*	76752	3122	1566	472	308	1	69	25	24	77	1	22	1	69	2	48	81	47	71
St. Nicholas Deptford	7901	279	161	52	31	–	9	1	1	2	–	1	–	6	–	9	15	–	17
Greenwich West *H*	21972	722	348	87	94	–	8	1	6	5	–	1	–	12	1	10	14	13	19
Greenwich East *WHH*	24608	1126	919	176	240	–	26	–	21	21	–	7	1	24	2	42	60	415	12
Lewisham *H*	5827	154	90	19	32	–	–	–	–	10	–	–	–	3	–	3	4	1	–
Deptford	21559	496	260	61	94	–	5	–	5	2	–	3	–	12	1	4	9	9	5
Lewisham *WH*	19865	889	413	106	123	–	3	3	14	19	–	1	–	15	–	13	17	69	8
Lewisham *H*	26076	829	415	116	119	–	–	1	3	7	–	4	–	39	–	13	19	7	10
Charlton *H*	10930	350	195	38	49	–	9	1	4	2	–	3	2	7	–	6	13	42	5
Greenwich Dockyard	17617	571	332	100	76	–	8	–	6	8	–	3	1	15	2	7	16	–	14
Greenwich Arsenal *HH*	19048	759	362	93	71	–	15	–	–	15	–	1	2	8	5	23	34	7	10
Woolwich East *W*	14009	524	223	63	53	–	8	–	2	3	–	1	1	9	3	3	5	–	10
Woolwich Dockyard *Ww*	19241	1085	597	137	152	–	40	2	9	9	–	2	–	27	4	21	28	175	29
Royal Hospital Ship, Dartford *w*	–	–	19	2	–	19	–	–	–	–	–	–	–	–	–	–	–	19	–

The following WORKHOUSE Establishments receive inmates from other Districts than the one in which they stand, and are indicated in the Table by *w* :—

Marylebone Infirmary in Kensington Town sub-district.
Central London Sick Asylum in Tottenham-court sub-district.
Holborn Infirmary in Upper Holloway sub-district.
London City Workhouse in Hackney sub-district.
Holborn " " Hoxton New Town sub-district.
Whitechapel " " Mile End Old Town Eastern sub-dist.

London City Workhouse in { Mile End Old Town Eastern sub-dist. and Bromley sub-district.
Stepney " " Bromley sub-district.
Poplar & Stepney Sick Asylum "
Westminster Union Industrial School in West Battersea sub-district.
Metropolitan Asylum District Hospitals in Fulham, Hampstead, Hackney, Brixton, St. Paul Deptford, and Dartford sub-districts.

Private Lunatic Asylums in which paupers received.

TABLE 39.—OUTER RING.—BIRTHS and DEATHS; DEATHS of INFANTS under 1 Year of Age, and o PERSONS aged 60 Years and upwards; ZYMOTIC DISEASES, VIOLENCE, INQUEST CASES, DEATHS in PUBLI INSTITUTIONS, and UNCERTIFIED DEATHS, during the 52 Weeks ending Saturday, 1st January 1887.

District and Sub-district Numbers.	REGISTRATION SUB-DISTRICTS.	Area in Acres, including Tidal Water and Foreshore.	Enumerated Population, 1881.	BIRTHS.	DEATHS.	The DEATHS registered in the 52 Weeks include												
						Deaths of		Deaths from										
						Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Cholera.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of
	LONDON—OUTER RING	370,282	950,178	39,748	19,655	5402	5113	12	303	92	302	789	169	1084	33	553	981	2183	3
30 : 1	Carshalton *wL*	12223	21118	572	539	81	158	–	26	1	2	25	–	24	–	13	11	265	
2	Epsom *(part of)* * *WH*	9971	10710	307	209	35	85	–	15	–	1	2	–	2	–	2	7	61	
37 : 1	Godstone *(part of)* *	2754	1235	46	24	6	7	–	–	–	–	3	–	–	1	1	2	5	
33 : 1	Croydon *WwHHL*	20851	101241	3272	1691	373	554	–	5	4	22	49	8	72	2	36	70	344	1
2	Mitcham *w*	11697	17932	645	246	65	61	–	–	5	3	14	1	16	1	11	19	7	
39 : 1	Wimbledon *HHH*	3220	15950	705	290	93	66	–	5	1	3	10	1	17	–	9	15	15	
2	Kingston *WHH*	8549	36354	1172	700	172	219	–	6	–	8	20	4	22	2	16	28	93	1
3	Esher *(part of)* * *H*	6601	9221	302	117	33	45	–	1	1	–	–	1	–	–	7	11	–	
4	Hampton *H*	4573	13539	438	235	63	61	–	–	–	1	6	1	18	–	16	16	1	
40 : 1	Richmond *WH*	2272	21302	591	417	71	159	–	11	1	2	5	9	13	–	19	23	80	
2	Mortlake	2941	12331	473	248	72	65	–	9	1	3	15	1	16	1	13	22	–	
41 : 1	Bromley *(part of)* * *HH*	15669	31142	1171	434	130	119	–	2	1	1	14	2	15	–	16	16	5	1
2	Chislehurst *(part of)* * *W*	13665	15065	580	268	67	84	–	4	1	2	2	–	16	2	5	8	55	
42 : 1	Bexley *H*	13487	24184	801	374	91	146	–	1	3	2	2	1	21	–	12	17	3	
124 : 1	Sunbury *w*	11055	11685	316	188	51	56	4	–	–	–	–	1	8	–	8	16	3	
2	Staines *W*	13277	12089	421	248	55	79	–	14	–	2	9	3	13	–	5	12	37	
125 : 1	Hillingdon *WHH*	6029	10802	369	211	54	71	–	6	1	1	9	–	6	–	7	16	38	
2	Uxbridge	6178	5225	164	72	20	24	–	1	–	–	–	1	6	–	5	11	–	
3	Hayes *wHL*	14587	11523	319	284	53	92	–	–	–	1	10	2	12	1	11	17	130	
126 : 1	Isleworth *WHH*	7008	22727	711	490	108	175	1	2	–	2	10	4	15	–	15	39	104	
2	Twickenham *HH*	2477	12479	383	198	51	70	–	1	–	1	6	1	7	–	11	15	7	
3	Brentford *HL*	4345	27649	1018	518	161	131	–	14	–	2	31	4	30	–	13	27	5	
4	Chiswick	1340	15975	705	315	100	70	–	3	2	2	13	5	14	–	6	11	–	
5	Acton *wH*	6083	22876	928	435	152	83	–	4	–	4	20	4	33	–	15	26	3	
127 : 1	Harrow *H*	13809	12796	387	162	34	53	–	8	–	2	9	3	3	–	7	9	3	
2	Edgware *H*	6994	3749	109	55	14	13	–	–	–	4	1	2	2	–	–	3	–	
3	Willesden	4383	27453	1568	685	261	113	–	32	1	7	33	3	33	1	7	40	–	
4	Hendon *W*	8382	10484	541	296	75	89	–	–	2	8	4	2	20	1	14	27	74	
137 : 1	Bushey	9331	6621	195	121	21	34	–	–	–	18	1	–	3	–	7	7	–	
128 : 1	South Mimms	15599	6391	212	105	26	34	–	–	–	7	4	–	7	–	12	12	2	
2	Barnet *W*	5433	10092	286	167	35	54	–	–	2	1	6	–	7	–	3	3	39	
3	Finchley *HHL*	4688	17615	650	451	85	119	–	2	–	2	6	–	29	–	11	25	189	
135 : 1	Hatfield *(part of)* *	3306	583	17	9	3	2	–	–	1	–	–	–	1	–	1	1	–	
129 : 1	Hornsey *H*	3039	37078	1366	637	180	184	–	10	5	9	27	4	35	–	8	34	–	
2	Tottenham *H*	4612	46456	3047	1330	437	247	1	15	8	55	61	34	115	4	34	86	65	
3	Edmonton *Ww*	7483	23463	1090	696	172	254	3	9	3	5	19	4	50	2	13	37	246	
4	Enfield *WH*	12653	19104	946	377	109	75	–	6	3	19	11	3	25	–	15	23	3	
5	Waltham Abbey	11017	5368	181	81	13	26	–	1	–	–	–	–	2	–	4	6	–	
6	Cheshunt	8480	7735	263	118	25	38	–	1	1	2	–	–	7	–	6	14	–	
136 : 1	Stratford	882	38606	1661	772	238	129	–	5	11	13	73	8	45	–	20	24	–	
2	West Ham *wwwwHH*	7351	101053	6112	2661	959	337	3	42	18	59	205	27	177	7	69	94	13	
3	Leyton *WwL*	4372	32430	1727	957	197	331	–	4	8	12	29	6	35	4	13	25	283	
4	Walthamstow *HH*	6520	28869	1702	644	195	170	–	8	3	8	14	10	60	2	18	27	2	
187 : 1	Chigwell *(part of)* * *H*	11761	9639	350	170	46	50	–	3	2	3	4	–	9	2	6	10	3	
189 : 1	Romford *(part of)* *	6730	3411	132	65	16	10	–	8	–	–	1	1	1	–	1	4	–	
2	Ilford	8493	7645	324	141	33	33	–	4	2	3	3	2	8	–	5	8	–	
3	Barking Town	4127	9203	488	204	71	33	–	15	–	–	3	1	14	–	7	7	–	

* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow 30 : 2, the whole of Epsom sub-district, except the parishes of Ashstead and Headley (pop. 1265); 37 : 1, the two parishes of Warlingham and Far in Godstone sub-district; 39 : 3, the whole of Esher sub-district, except the parish of Esher (pop. 1993); 41 : 1, the whole of Bromley sub-distri except the two parishes of Cudham and Knockholt (pop. 1818); 41 : 2, the whole of Chislehurst sub-district, except the parish of Chelsfield (pop. 94 135 : 1, only the parish of Northaw in Hatfield sub-district; 187 : 1, the whole of Chigwell sub-district, except the parish of Theydon B (pop. 875); 189 : 1, only the parish of Dagenham in Romford sub-district.

TABLE 21.—**Deaths** in **London**; and **Meteorology** at **Greenwich Observatory.**

YEAR.	Total Deaths. (52 or 53 weeks).	Mean Temperature of Air.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly Amount of Horizontal Movement of the Air by Robinson's Anemometer.†
Averages of 40 Years, 1841-80.	66,484	° 49·3	° 5·6	24·8	Miles. 10·8 (30 years)
Averages of 10 Years, 1841-50.	52,206	49·4	5·2	24·5	—
Averages of 10 Years, 1851-60.	61,023	49·0	5·7	24·4	10·0
Averages of 10 Years, 1861-70.	73,632	49·6	5·9	23·9	10·8
Averages of 10 Years, 1871-80.	79,075	49·2	5·5	26·4	11·6
1841	45284	48·7	5·0	33·3	—
1842	45272	49·6	4·6	22·6	—
1843	48574	49·4	3·7	24·6	—
1844	50423	48·6	4·9	24·9	—
1845	48332	47·6	4·4	22·4	—
1846	49089	51·3	5·1	25·3	—
1847	60442	49·5	5·4	17·8	—
1848	57628	50·4	6·4	30·2	—
1849	68432	50·0	6·6	23·9	—
1850	48579	49·3	6·1	19·7	11·0
1851	55354	49·2	6·5	21·6	10·3
1852	54213	50·6	7·4	34·2	10·6
1853	61202	47·7	6·2	29·0	9·5
1854	73697	48·9	4·7	18·7	10·3
1855	61506	47·1	4·5	21·1	9·9
1856	56786	49·0	5·6	22·2	10·6
1857	60150	51·0	5·2	21·4	9·3
1858	63882	49·2	6·5	17·8	9·7
1859	61617	50·7	6·0	25·9	9·5
1860	61821	47·0	4·6	32·0	10·0
1861	65001	49·4	5·0	20·8	9·9
1862	66950	49·5	4·7	26·2	10·0
1863	72346	50·3	6·0	20·0	10·3
1864	77723	48·5	7·0	16·7	9·5
1865	73460	50·3	6·2	29·0	9·3
1866	80129	49·8	5·6	30·5	11·4
1867	70588	48·6	5·6	28·4	11·8
1868	74908	51·6	6·8	25·2	12·2
1869	77933	49·5	5·7	24·0	12·2
1870	77278	48·7	6·7	18·5	11·1
1871	80332	48·7	6·0	22·3	10·5
1872	70893	50·7	5·5	30·0	11·9
1873	76634	48·9	5·4	23·4	11·8
1874	76606	49·4	4·7	20·0	11·5
1875	81513	49·4	5·9	27·3	11·5
1876	77411	50·1	6·4	23·9	12·1
1877	77002	49·7	6·6	26·8	13·0
1878	83695	49·6	5·8	29·2	11·1
1879	85540	46·2	4·0	31·3	11·3
1880	81128	49·4	5·0	29·7	11·7
1881	81071	48·8	5·7	25·2	12·1
1882	82905	49·7	5·0	25·1	12·8
1883	80578	49·4	5·8	21·9	12·1
1884	83388‡	50·7	6·3	18·1	11·9
1885	80504‡	48·6	6·0	24·0	12·0
1886	82276‡	48·7	5·7	24·2	11·8

NOTE.—This Table does not include the deaths in Wandsworth and Clapham for the years 1841-3; nor the deaths in Hampstead and Lewisham for 1841-6.

* The column headed "Dryness of Atmosphere" shows the difference between the dew point temperature and air temperature.

† For the years 1850-59 the results are only approximative, having been reduced to Robinson's anemometer from observations made with Whewell's.

‡ Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 22.—**Deaths** REGISTERED in the **Public Institutions** of **London**, 1876-86.

	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.
TOTAL DEATHS IN PUBLIC INSTITUTIONS	14073	14936	15502	15999	14730	16965	15792	16707	17481*	17650*	17131*
WORKHOUSES (including the Metropolitan Asylum Hospitals)	8174	9134	9606	9946	9059	10692	9375	9968	10447*	10634*	9838*
PRISONS	69	62	46	57	59	50	38	45	45	41	52
MILITARY AND NAVAL ASYLUMS	79	69	75	88	64	68	51	55	53	57	72
GENERAL HOSPITALS	4442	4318	4549	4651	4435	4880	5144	5304	5537	5473	5756
HOSPITALS FOR SPECIAL DISEASES	483	612	531	497	472	574	476	594	728	701	617
LYING-IN HOSPITALS — Women	33	34	9	21	18	22	23	21	17	18	12
LYING-IN HOSPITALS — Children	68	43	23	46	44	49	54	84	49	102	84
MILITARY AND NAVAL HOSPITALS	184	203	192	211	184	202	186	207	183	150	152
HOSPITALS FOR FOREIGNERS	100	113	138	143	127	135	170	148	137	148	148
LUNATIC ASYLUMS	441	348	333	339	268	293	275	281	285	326	400

* Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 23.—**Deaths in 162 Public Institutions,** registered

	DEATHS.		
	Total.	Males.	Females.
TOTAL DEATHS IN 162 PUBLIC INSTITUTIONS	17131	9795	7336
54 WORKHOUSES	9838	5396	4442
7 PRISONS	52	46	6
2 MILITARY ASYLUMS	72	71	1
51 GENERAL HOSPITALS	5756	3421	2335
26 HOSPITALS FOR SPECIAL DISEASES	617	342	275
5 LYING-IN HOSPITALS — *Women*	12	—	12
5 LYING-IN HOSPITALS — *Children*	84	58	26
6 MILITARY AND NAVAL HOSPITALS	152	146	6
4 HOSPITALS FOR FOREIGNERS	148	107	41
7 LUNATIC ASYLUMS	400	208	192

PUBLIC INSTITUTIONS.	SUB-DISTRICTS in which situated.	DEATHS. Total.	Males.	Females.
WORKHOUSES.				
Paddington	1*a*; 1. St. Mary Paddington	198	109	89
Kensington (Workhouse and Infirmary)	1*b*; 1. Kensington Town	417	220	197
Marylebone Infirmary	1*b*; 1. *Kensington Town*	404	207	197
Fulham	2; 3. Fulham	187	102	85
Metrop. Asylum Hospitals (Western District)	2; 3. *Fulham*	39	22	17
Chelsea (Workhouse and Infirmary)	3; 2. Chelsea North-west	291	144	147
St. George's (Fulham Road)	4; 2. Mayfair	366	191	175
St. George's (Mount St.)	4; 2. Mayfair	2	2	—
St. George's (Wallace-yard)	4; 3. Belgrave	3	2	1
Westminster	5; 1. St. James Westm.	94	38	56
Marylebone	6; 3. Rectory, Maryleb.	76	30	46
Hampstead	7; 1. Hampstead	49	26	23
Metrop. Asylum Hospitals (North-Western Dist.)	7; 1. *Hampstead*	2	1	1
Central London Sick Asylum	8; 2. *Tottenham Court*	149	96	53
Pancras	8; 5. Camden Town	452	233	219
Pancras Infirm. (Highgate)	8; 6. Kentish Town	220	137	83
Islington (Workhouse and Infirmary)	9; 1. Upper Holloway	435	227	208
Islington (Workhouse School)	9; 1. Upper Holloway	3	2	1
Holborn Infirmary (College House)	9; 1. *Upper Holloway*	294	190	104
Hackney (Workhouse and Infirmary)	10; 4. Hackney	291	152	139
City of London	10; 4. *Hackney*	21	5	16
Metrop. Asylum Hospitals (Eastern District)	10; 4. *Hackney*	136	86	50
St. Giles	11; 2. St. Giles South	188	91	97
Holborn	13; 2. St. Andrew Eastern	36	23	13
City of London	14; 4. St. Bride	5	3	2
Holborn Infirmary	15; 3. *Hoxton New Town*	318	144	174
Shoreditch (Workhouse and Infirmary)	15; 5. Haggerston	344	174	170
Bethnal Green	16; 2. Green	362	209	153
Whitechapel Infirmary	17; 2. Mile End New Town	323	196	127
St. George-in-the-East (Workh. and Infirm.)	18; 2. St. John	305	171	134
Mile End Old Town	20; 2. Mile End Old Town Eastern	245	118	127
City of London Infirmary — *part of*	20; 2. *Mile End Old Town Eastern*	59	7	52
City of London Infirmary — *part of*	21; 2. *Bromley*	148	100	48
Poplar and Stepney Sick Asylum	21; 2. *Bromley*	528	291	237
Stepney (Aged and Infirm)	21; 2. *Bromley*	13	10	3
Poplar	21; 3. Poplar	54	30	24
North Street Infirmary	21; 3. Poplar	1	—	1
St. Saviour's	22; 1. Christch. Southwrk.	138	126	12
St. Saviour's	22; 4. Borough Road	33	21	12
St. Saviour's Infirmary	22; 7. St. Peter Walworth	518	281	237
St. Olave's	23; 1. St. Olave, Southwk.	25	11	14
St. Olave's	23; 3. St. Mary Magdalen	114	62	52
St. Olave's (Workhouse and Infirmary)	23; 5. Rotherhithe	216	133	83
Lambeth (Workhouse and Infirmary)	24; 4. Lambeth Church 2d part	462	256	206
Metrop. Asylum Hospitals (South-Western Dist.)	24; 7. *Brixton*	5	4	1
Lambeth (Work. School)	24; 8. Norwood	33	17	16
Wandsworth (Workhouse and Infirmary)	25; 3. West Battersea	261	144	117
Wandsworth (Garret Lane)	25; 4. Wandsworth	3	3	—
Camberwell (Workhouse and Infirmary)	26; 2. Camberwell	327	189	138
Camberwell (Gordon Rd.)	26; 3. Peckham	16	9	7
Metrop. Asylum Hospitals (South-Eastern Dist.)	27; 1. *St. Paul Deptford*	47	31	16
Greenwich (Workhouse and Infirmary)	27; 4. Greenwich East	319	180	139
Lewisham	28; 3. Lewisham	69	33	36
Woolwich (Workhouse and Infirmary)	29; 5. Plumstead East	175	92	83
Metrop. Asylum Hosp. Ship "Atlas"	42; 2. Dartford	19	15	4
PRISONS.*				
Convict Prison (Wormwood Scrubbs)	2; 2. St. Paul Hammers.	9	9	—
Female Convict Prison	2; 3. Fulham	2	—	2
Millbank Penitentiary	4; 4. St. John Westmr.	7	4	3
City Prison (*Holloway*)	9; 1. Upper Holloway	10	9	1
Pentonville Model Prison (*Males*)	9; 2. Islington Sth.-West	8	8	—
Convict Prison (*Males*)	24; 7. Brixton	2	2	—
Surrey County Prison	25; 4. Wandsworth	14	14	—
MILITARY ASYLUMS.				
Royal Military Hospital Chelsea, *In-Pensioners*	3; 1. Chelsea South	69	68	1
Royal Military Asylum, Chelsea, *Boys*	3; 1. Chelsea, South	3	3	—
GENERAL HOSPITALS.				
For Children	1*a*; 1. St. Mary Paddington	53	27	26
St. Mary's	1*a*; 2. St. John Paddington	247	157	90
West London	2; 2. St. Paul Hammersm.	54	35	19
Victoria (*Children*)	3; 1. Chelsea South	60	38	22
Cheyne (*Children*)	3; 1. Chelsea South	5	3	2
St. Raphael's	3; 2. Chelsea North-west	12	12	—

NOTE.—The Workhouse Establishments printed in *italics* receive inmates from other Districts than those in which they are situated.

* PRISONS.—The deaths of the children of prisoners are not included.

during the 52 Weeks ending Saturday, 1st January 1887.

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which situated.	DEATHS. Total.	Males.	Females.
GENERAL HOSPITALS—*continued.*				
St. George's	4; 3. Belgrave	385	260	125
Belgrave (*Children*)	4; 3. Belgrave	10	6	4
St. Gabriel's (*Children*)	4; 3. Belgrave	30	16	14
Grosvenor	4; 4. St. John Westminst.	1	–	1
Westminster	4; 5. St. Margaret Westm.	184	111	73
Middlesex	8; 2. Tottenham Court	362	193	169
Ladies'	6; 1. All Souls Marylebone	3	–	3
Samaritan Free	6; 2. Cavendish Square	25	–	25
St. Peter's Home (Kilburn)	6; 3. Rectory Marylebone	16	1	15
Home	7; 1. Hampstead	1	–	1
University College	7; 1. Hampstead	320	192	128
Home	8; 2. Tottenham Court	6	1	5
Medical Surgical Home	8; 2. Tottenham Court	1	1	–
Royal Free	8; 3. Gray's Inn Lane	142	82	60
Temperance	8; 4. Somers Town	56	34	22
North-west London	8; 5. Camden Town	42	28	14
Great Northern	9; 2. Islngtn. South-West	43	24	19
Mildmay Memorial	9; 4. Highbury	14	10	4
Incurables	9; 4. Highbury	14	8	6
Invalid Asylum	10; 1. Stoke Newington	1	–	1
Charing Cross	12; 1. St. Martin-in-the-Fields	159	106	53
King's College	12; 3. St. Clement Danes	184	112	72
London Homœopathic	13; 1. St. George the Martyr	38	15	23
St. John and St. Elizabeth's	13; 1. St. George the Martyr	25	–	25
Hosp. for Sick Children	13; 1. St. George the Martyr	124	57	67
City Police	14; 1. St. Botolph	2	2	–
St. Bartholomew's	14; 3. St. Sepulchre	653	403	250
Convent	15; 2. St. Leonard	15	10	5
North-Eastern (*Children*)	15; 5. Haggerston	73	47	26
Mildmay Medical Mission	16; 1. Hackney Road	18	8	10
London	17; 3. Whitechapel Church	846	513	333
East London (*Children*)	19; 1. Shadwell	249	133	116
Poplar	21; 2. Bromley	56	51	5
St. John's	21; 3. Poplar	15	1	14
Evelina (*Children*)	22; 4. Borough Road	66	36	30
Guy's	23; 1. St. Olave	491	306	185
Royal Infirmary (*Women and Children*)	24; 1. Waterloo 1st part	48	18	30
St. Thomas's	24; 3. Lambeth Church 1st	552	341	211
British Home for Incurables	25; 1. Clapham	2	1	1
Royal Hospital for Incurables	25; 4. Wandsworth	11	2	9
Miller Memorial	27; 3. Greenwich West	13	7	6
Cottage Hospital	27; 4. Greenwich East	12	6	6
Cottage	28; 1. Eltham	1	–	1
St. Johns	28; 2. Lee	9	5	4
Home for Sick Children	28; 4. Sydenham	7	2	5
HOSPITALS FOR SPECIAL DISEASES.				
Lock	1*a*; 1. St. Mary Paddington	5	–	5
Consumption & Disease of Chest	15; 2. Brompton	134	80	54
	3; 2. Chelsea North-west	119	89	30
Cancer	3; 2. Chelsea North-west	75	22	53
For Women	3; 2. Chelsea North-west	12	–	12
Royal Orthopœdic	4; 1. Hanover Square	1	–	1
Diseases of Throat	5; 1. S. James Westm.	4	4	–
For Women	5; 2. St. Anne Soho	25	–	25
Heart diseases	5; 2. St. Anne Soho	3	2	1
Male Lock	5; 2. St. Anne Soho	2	2	–
Orthopedic	6; 1. All Souls, Maryleb.	1	1	–
St. Agnes (*Consumption*)	6; 1. All Souls Maryleb.	5	1	4
Home for Consumptive Females	6; 4. St. Mary Maryleb.	1	–	1
New (*Women*)	6; 5. Christch. Maryleb.	5	–	5
Epilepsy, &c.	6; 6. St. John (Maryleb.)	6	3	3
North London (*Consumption*)	7; 1. Hampstead	19	13	6
St. Saviour's (*Cancer*)	8; 1. Regent's Park	10	–	10
Central London Throat and Ear	8; 3. Gray's Inn Lane	5	5	–
Small-pox	9; 1. Upper Holloway	2	2	–
London Fever	9; 2. Islington South-west	12	10	2
St. Peter's (*Stone, &c.*)	12; 2. St. Mary-le-Strand	5	5	–
National for Paralysed and Epileptic	13; 1. St. George the Martyr	25	13	12
Alexandra (*Hip Diseases*)	13; 1. St. George the Martyr	3	3	–
St. Mark's (*Fistula*)	13; 8. Old Street	3	2	1
Royal for Dis. of Chest	13; 9. City Road	36	22	14
Royal London Ophthalmic	14; 6. Broad Street	6	4	2
City of London for Diseases of the Chest	16; 2. Green	93	59	34
LYING-IN HOSPITALS.				
St. John the Divine	3; 2. Chelsea North-west — Women	–	–	–
	3; 2. Chelsea North-west — Children	3	3	–
Queen Charlotte's	6; 4. St. Mary (Marylebone) — Women	8	–	8
	6; 4. St. Mary (Marylebone) — Children	63	46	17
British	11; 2. St. Giles South — Women	1	–	1
	11; 2. St. Giles South — Children	–	–	–
City of London	13; 9. City Road — Women	2	–	2
	13; 9. City Road — Children	7	3	4
General (York Road)	24; 2. Waterloo 2d part — Women	1	–	1
	24; 2. Waterloo 2d part — Children	11	6	5
MILITARY AND NAVAL HOSPITALS.				
Station Hospitals	4; 4. St. John Westminster	19	19	–
Seamen's	27; 4. Greenwich East	84	80	4
Herbert	29; 1. Charlton	42	42	–
Garrison Female	29; 3. Woolwich Arsenal	2	–	2
Arsenal Infirmary	29; 3. Woolwich Arsenal	4	4	–
Cadet	29; 3. Woolwich Arsenal	1	1	–
HOSPITALS FOR FOREIGNERS.				
French	5; 2. St. Anne Soho	20	11	9
German	10; 4. Hackney	115	84	31
Italian	13; 1. St. George the Martyr	8	7	1
Spanish and Portuguese Jews'	20; 2. Mile End Old Town Eastern	5	5	–
LUNATIC ASYLUMS.*				
St. Luke's Hospital	13; 9. City Road	12	4	8
Hoxton House *	15; 2. St. Leonard	72	46	26
Bethnal House *	16; 2. Green	59	32	27
Bethlehem Hospital	22; 5. London Road	31	20	11
Surrey County	25; 4. Wandsworth	113	55	58
Peckham House *	26; 2. Camberwell	62	29	33
Camberwell House *	26; 2. Camberwell	51	22	29

* Lunatic Asylums.—Private Lunatic Asylums are excluded from this list, except those in which *pauper* lunatics are received, which are marked thus *.

TABLE 24. LONDON.—**Weekly Deaths** from **Small-pox, Measles, Scarlet Fever, Diphther**
WEEKLY Numbers from Six of these DISEASES during the Forty-sev

	SMALL-POX.*				MEASLES.				SCARLET FEVER.				DIPHTHERIA.			
	1883	1884	1885	1886	1883	1884	1885	1886	1883	1884	1885	1886	1883	1884	1885	188
YEAR -	134	1251	1403	24	2420	2285	2928	2078	1989	1444	707	688	951	973	896	846
March Quar.	52	60	574	9	483	549	490	507	417	390	192	102	207	208	202	220
June „	27	383	638	12	795	1024	1186	537	325	343	138	102	220	207	213	188
Sept. „	23	268	156	2	655	419	611	390	546	346	186	174	236	243	238	185
Dec. „	32	540	35	1	487	293	641	644	701	365	191	310	288	315	243	253
Week.																
1 - -	5	6	42	–	50	48	14	49	37	33	16	6	21	16	26	21
2 - -	7	2	70	3	46	47	27	51	31	38	21	13	14	15	14	22
3 - -	3	5	58	2	56	42	20	49	42	34	18	9	13	16	12	20
4 - -	8	2	59	–	33	42	16	38	40	32	19	11	24	16	15	13
5 - -	5	1	60	–	28	30	16	41	45	33	18	5	20	23	19	14
6 - -	2	4	56	–	29	19	28	30	33	34	17	7	14	19	16	18
7 - -	3	2	44	–	20	35	31	25	29	22	14	7	14	26	14	19
8 - -	6	4	37	–	28	42	29	40	36	37	16	14	18	14	16	20
9 - -	7	8	27	3	19	32	52	40	27	22	15	5	13	12	15	19
10 - -	2	1	35	–	29	46	51	37	19	27	7	6	12	12	8	14
11 - -	1	11	23	–	51	61	53	40	20	27	16	8	18	14	20	14
12 - -	3	3	24	1	36	49	70	40	29	26	10	6	14	13	11	18
13 - -	–	11	39	–	58	56	83	27	29	25	5	5	12	12	16	8
14 - -	1	13	40	1	51	60	70	52	15	22	9	10	20	14	15	15
15 - -	2	11	49	1	57	63	92	38	14	20	9	7	20	17	21	17
16 - -	2	11	51	5	46	79	103	50	21	23	10	8	19	18	10	16
17 - -	1	13	48	–	40	95	99	45	17	30	12	7	20	17	15	20
18 - -	2	11	66	–	55	85	91	39	22	38	13	6	16	11	24	9
19 - -	3	19	75	2	60	93	65	48	29	24	13	7	13	7	21	19
20 - -	1	42	50	2	66	82	93	45	29	31	12	6	17	11	10	9
21 - -	1	22	55	–	77	81	90	28	36	25	10	7	14	19	17	20
22 - -	2	43	61	–	67	69	120	41	24	29	9	11	17	22	15	13
23 - -	3	60	39	–	76	85	98	39	31	21	12	11	22	16	17	11
24 - -	3	30	37	1	59	73	95	27	27	33	7	9	15	24	16	16
25 - -	2	59	28	–	65	81	90	43	31	24	13	7	12	11	14	14
26 - -	4	49	39	–	76	78	80	42	29	23	9	6	15	20	18	9
27 - -	1	41	23	–	65	56	73	57	35	26	12	14	12	15	15	14
28 - -	–	35	15	1	70	42	82	48	30	23	13	10	26	15	16	14
29 - -	–	25	18	–	77	55	65	46	32	40	11	15	21	19	19	11
30 - -	6	34	16	–	63	34	71	46	32	28	18	10	13	20	23	15
31 - -	1	19	14	–	68	44	53	35	39	31	20	14	16	16	20	9
32 - -	2	19	15	–	56	40	49	29	59	30	9	10	21	18	13	15
33 - -	2	12	5	–	70	41	38	26	35	19	12	9	9	19	13	17
34 - -	1	23	9	–	53	28	55	31	49	32	12	17	19	17	14	22
35 - -	4	12	6	–	57	22	46	20	40	24	14	13	19	16	16	11
36 - -	1	14	9	1	19	16	25	18	43	18	15	11	14	31	22	9
37 - -	1	11	8	–	24	11	14	11	48	23	20	16	21	22	25	13
38 - -	2	9	11	–	15	18	15	12	55	26	16	19	26	21	18	15
39 - -	2	14	7	–	18	12	20	11	49	26	14	16	19	14	24	20
40 - -	3	16	3	–	11	12	17	22	63	26	21	23	19	21	14	28
41 - -	3	11	–	–	32	9	28	27	57	16	22	24	24	16	23	18
42 - -	–	28	–	–	25	12	27	21	66	27	18	24	28	21	18	25
43 - -	2	21	9	–	22	16	23	24	56	22	10	29	20	22	10	23
44 - -	3	37	5	–	23	22	41	27	61	28	15	25	13	22	16	18
45 - -	2	29	3	–	37	32	51	29	60	32	19	29	22	17	26	23
46 - -	–	49	2	–	47	19	44	33	55	36	11	33	25	17	20	26
47 - -	1	46	2	–	49	14	62	60	41	36	12	22	21	31	20	24
48 - -	5	40	1	–	38	31	69	60	59	27	12	19	28	16	16	12
49 - -	2	60	3	–	44	28	57	87	53	23	14	16	23	29	20	14
50 - -	7	69	–	1	53	23	58	57	40	22	10	17	24	27	21	16
51 - -	2	44	1	–	52	33	70	83	42	26	18	24	19	28	14	17
52 - -	2	34	6	–	54	20	94	114	48	16	9	25	22	20	25	9
53 - -	–	56	–	–	–	22	–	–	–	28	–	–	–	28	–	–

* Including deaths of London residents in 1884-5-6 in the Metropolitan Asylum Hospitals outside Registration London.

Whooping-cough, Fever, and **Diarrhœa,** during the Four Years 1883–1886; and the AVERAGE Years 1840–1886, and from **Diphtheria** during the Twenty-seven Years 1860–1886.

WHOOPING-COUGH.				FEVER.				DIARRHŒA.				WEEKLY AVERAGE in 47 Years, 1840–86.							
1883	1884	1885	1886	1883	1884	1885	1886	1883	1884	1885	1886	Small-pox.*	Measles.	Scarlet Fever.	Diphtheria (27 years).	Whooping-cough.	Fever.	Diarrhœa.	
582	3188	2479	2834	1081	1045	695	701	2644	3781	2657	3950	981	1647	2340	551	2401	1910	2578	YEAR.
458	1104	607	1551	270	241	152	145	192	147	133	201	293	376	473	131	826	472	171	March Qr.
403	1296	662	786	177	223	165	121	294	201	271	244	300	463	422	128	709	431	241	June „
341	505	541	295	242	310	186	197	1879	3097	2042	3132	183	349	611	130	408	465	1854	Sept. „
380	283	669	202	392	271	192	238	279	336	211	373	205	459	834	162	458	542	312	Dec. „
																			Week.
31	68	38	118	25	14	16	16	15	8	11	17	23	41	48	11	54	38	13	- - 1
29	63	40	103	15	20	9	15	12	4	8	10	23	37	45	11	55	39	14	- - 2
26	69	49	94	20	26	10	11	18	10	8	13	26	33	45	10	60	37	13	- - 3
37	80	60	118	20	22	15	8	13	9	12	12	23	28	41	10	65	37	13	- - 4
35	85	41	121	19	16	8	12	19	7	9	17	25	26	36	11	67	37	14	- - 5
42	78	50	130	20	22	11	14	14	10	6	23	24	24	36	11	67	36	14	- - 6
35	83	43	140	30	22	14	11	15	17	11	14	23	23	35	10	64	36	13	- - 7
28	82	45	119	20	12	10	9	12	17	9	15	22	25	34	9	65	35	14	- - 8
42	74	37	125	18	16	10	9	12	15	7	23	22	25	33	10	64	33	14	- - 9
45	92	49	126	14	26	10	8	9	11	14	13	22	26	31	9	64	36	12	- - 10
33	117	45	120	21	18	15	11	18	12	12	23	20	28	29	10	64	37	12	- - 11
32	101	55	117	16	12	10	13	18	20	18	10	20	29	29	9	66	34	13	- - 12
43	112	55	120	32	15	14	8	17	7	8	11	20	31	31	10	71	37	12	- - 13
42	125	55	81	23	12	12	8	9	15	16	15	22	33	29	10	66	34	12	- - 14
36	124	46	94	20	24	17	10	8	5	7	15	23	33	29	11	66	35	12	- - 15
40	129	57	92	13	17	15	8	13	14	21	15	24	33	31	10	64	35	13	- - 16
35	117	51	100	12	21	2	11	19	6	16	9	24	34	29	10	61	34	12	- - 17
24	112	46	87	12	12	14	12	17	13	13	14	24	35	31	9	58	34	13	- - 18
43	119	57	76	12	10	16	7	11	11	9	15	23	35	30	10	59	32	12	- - 19
22	107	68	49	13	13	18	10	12	9	16	8	25	35	31	9	56	33	13	- - 20
27	92	50	41	12	15	15	8	10	17	20	12	25	36	34	9	54	33	14	- - 21
32	74	46	42	14	17	15	13	16	16	11	15	22	39	35	10	51	33	16	- - 22
23	88	39	36	12	20	8	8	27	14	23	14	23	38	36	10	47	32	18	- - 23
22	61	42	28	12	18	8	9	25	21	24	28	22	38	33	10	43	33	24	- - 24
28	68	46	26	8	21	13	9	55	21	44	41	22	38	38	10	42	31	34	- - 25
29	80	59	34	14	23	12	8	72	39	51	43	21	36	36	10	42	32	48	- - 26
30	53	51	33	11	26	11	10	167	104	110	156	18	36	38	9	40	32	79	- - 27
31	57	77	30	18	30	20	12	325	336	209	315	17	33	38	10	39	33	125	- - 28
28	69	51	32	11	23	12	6	351	533	284	370	16	33	39	10	38	33	174	- - 29
29	57	47	31	16	21	10	17	254	466	348	411	16	32	41	9	36	34	214	- - 30
23	46	41	28	7	19	14	14	168	301	309	373	14	32	43	9	33	32	206	- - 31
15	37	44	12	16	19	17	20	94	219	222	270	14	28	45	9	32	34	191	- - 32
26	28	43	20	12	33	16	12	119	242	163	248	13	28	44	9	29	35	178	- - 33
27	36	45	22	19	21	17	11	63	207	121	191	14	25	47	11	28	35	160	- - 34
27	22	30	18	23	31	8	20	74	209	83	176	13	23	48	10	28	37	144	- - 35
22	36	39	26	36	22	14	15	87	178	62	191	13	21	52	10	28	37	126	- - 36
30	27	25	18	31	17	12	17	62	126	40	172	12	19	55	11	26	40	103	- - 37
31	22	26	19	25	28	17	17	54	86	49	146	12	20	57	12	26	42	84	- - 38
22	15	22	6	17	20	18	26	61	90	42	113	11	19	64	11	25	41	70	- - 39
14	11	34	11	22	20	20	19	48	70	35	67	12	22	67	13	26	40	54	- - 40
22	11	29	10	28	26	10	22	26	57	27	59	12	23	70	12	25	41	45	- - 41
22	15	31	8	25	18	11	21	38	44	21	51	12	26	69	13	26	43	36	- - 42
25	12	36	9	30	15	10	31	31	27	17	30	13	26	72	11	27	43	28	- - 43
14	13	29	19	27	27	11	20	17	26	8	31	13	30	70	11	30	43	24	- - 44
19	19	39	12	39	23	12	22	27	22	10	31	15	34	69	12	30	42	20	- - 45
33	16	42	18	40	24	27	19	19	19	13	23	16	36	69	13	33	43	19	- - 46
29	24	47	11	35	23	15	15	17	15	16	13	15	39	67	15	35	42	16	- - 47
29	17	58	20	36	20	19	7	9	7	12	16	17	44	63	12	38	42	15	- - 48
43	28	58	19	28	17	8	19	14	12	16	12	18	44	59	13	43	42	15	- - 49
42	31	72	19	29	16	18	13	12	6	6	12	20	44	58	12	45	43	14	- - 50
42	31	78	19	32	20	11	12	11	9	13	13	20	47	52	13	48	40	13	- - 51
46	22	116	27	21	11	20	18	10	7	17	15	22	44	49	12	52	38	13	- - 52
-	33	-	-	-	11	-	-	-	15	-	-	-	-	-	-	-	-	-	- - 53

* Including deaths of London residents in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 25.—**Temperature** at **Greenwich**; **Total Deaths**,* and **Deaths*** at **Seven groups of Ages**, in **London**, in each Week of the Year 1886.

POPULATION estimated to the middle of 1886 - -					4,149,533	121,331	419,088	1,255,226	1,389,129	704,060	245,065	15,634
Number of Week.	WEEK ENDING	TEMPERATURE.			AGES AT DEATH.							
		Mean.	Highest Reading.	Lowest Reading.	ALL AGES.	Under 1 Year.	1–5	5–20	20–40	40–60	60–80	80 and upwards.
	YEAR (of 52 Weeks)	°48·7	°89·8	°16·5	82,276	21,231	13,088	4,592	9,956	14,044	15,987	3,378
	March Quarter	36·5	64·1	16·5	25,717	5,270	4,443	1,362	2,869	4,528	5,935	1,310
	June „	52·5	85·6	29·1	17,778	4,078	2,904	1,092	2,325	3,276	3,386	717
	September „	61·2	89·8	40·3	19,352	7,188	2,824	962	2,210	2,817	2,787	564
	December „	44·6	79·2	17·3	19,429	4,695	2,917	1,176	2,552	3,423	3,879	787
	1886.											
1	January 9	34·8	50·0	16·5	1784	392	324	102	189	317	388	72
2	„ 16	36·5	46·4	29·8	1904	392	322	105	234	347	415	89
3	„ 23	32·9	42·3	24·7	1740	368	306	99	182	296	412	77
4	„ 30	36·6	44·5	25·2	1769	377	268	96	221	323	399	85
5	February 6	36·1	47·0	27·0	1783	386	308	101	206	325	377	80
6	„ 13	32·7	47·8	20·6	1983	411	337	100	222	359	443	111
7	„ 20	35·1	42·9	31·3	2035	433	346	113	207	366	472	98
8	„ 27	32·2	39·9	24·1	1988	399	386	112	218	334	453	86
9	March 6	32·7	42·3	25·1	2146	458	365	99	236	373	507	108
10	„ 13	31·9	42·2	21·6	2285	438	396	110	208	420	576	137
11	„ 20	37·9	64·1	20·3	2413	439	411	131	269	405	624	134
12	„ 27	50·9	62·3	40·9	2142	412	368	96	254	372	495	145
13	April 3	47·4	60·7	37·0	1745	365	306	98	223	291	374	88
14	„ 10	44·7	60·5	32·5	1578	367	283	77	204	272	308	67
15	„ 17	43·7	55·6	32·6	1572	345	285	84	190	303	295	70
16	„ 24	48·1	67·4	38·7	1464	367	265	63	171	275	275	48
17	May 1	47·7	68·3	29·1	1472	346	266	89	200	237	274	60
18	„ 8	55·2	78·9	31·5	1491	324	261	90	177	263	312	64
19	„ 15	49·6	68·9	37·8	1416	319	250	80	182	243	279	63
20	„ 22	55·3	71·6	41·8	1381	334	197	94	200	231	263	62
21	„ 29	53·5	67·2	43·7	1229	258	183	89	167	237	240	55
22	June 5	55·5	76·8	38·4	1235	264	175	102	150	244	256	44
23	„ 12	57·9	73·3	41·5	1277	280	192	103	185	262	213	42
24	„ 19	54·5	72·1	44·8	1183	276	179	74	178	228	209	39
25	„ 26	59·0	80·2	45·5	1222	299	168	73	161	243	219	59
26	July 3	64·5	85·6	46·5	1258	299	200	74	160	238	243	44
27	„ 10	66·5	89·8	46·9	1540	470	250	86	172	259	251	52
28	„ 17	60·3	78·1	47·7	1681	647	251	87	175	256	214	51
29	„ 24	64·9	86·6	53·0	1716	737	249	80	149	233	218	50
30	„ 31	59·4	75·2	45·4	1746	781	247	70	178	203	227	40
31	August 7	60·2	78·2	44·6	1620	718	249	69	150	192	207	35
32	„ 14	61·0	77·4	46·6	1505	595	208	71	176	203	206	46
33	„ 21	59·8	75·4	47·6	1420	508	205	90	143	202	237	35
34	„ 28	64·4	81·2	53·7	1458	477	222	72	195	244	218	30
35	September 4	66·5	89·1	50·8	1328	476	191	57	154	216	186	48
36	„ 11	60·1	74·1	45·2	1312	458	179	80	175	178	194	48
37	„ 18	59·0	77·5	40·3	1403	506	201	70	173	208	206	39
38	„ 25	54·2	69·3	42·0	1273	416	181	61	171	206	196	42
39	October 2	58·5	77·7	47·9	1350	399	191	69	199	217	227	48
40	„ 9	58·8	79·2	45·3	1365	363	208	63	200	237	241	53
41	„ 16	52·3	62·7	40·3	1274	363	167	75	179	223	231	36
42	„ 23	49·2	59·8	38·0	1406	358	222	85	205	242	246	48
43	„ 30	50·5	63·0	44·9	1380	375	189	93	193	244	233	53
44	November 6	48·9	63·3	37·8	1332	328	218	86	177	248	229	46
45	„ 13	42·9	49·3	30·6	1420	378	234	81	181	229	254	63
46	„ 20	45·8	55·2	30·7	1385	368	212	94	163	212	283	53
47	„ 27	40·7	49·9	26·9	1543	350	232	107	200	283	314	57
48	December 4	37·3	50·3	20·9	1618	349	237	100	218	295	360	59
49	„ 11	42·6	54·1	28·6	1738	395	261	95	209	310	386	82
50	„ 18	38·3	50·8	22·9	1499	320	219	95	190	269	331	75
51	„ 25	32·2	45·2	17·3	1570	333	223	106	209	294	347	58
52	January 1	32·7	40·4	18·5	1899	415	295	96	228	337	424	104

* Including deaths from small-pox of London residents in the Metropolitan Asylum Hospitals outside Registration London.

TABLE 26.—**Births** and **Deaths** Registered in **London**; and **Meteorology** at **Greenwich**, in each of the 52 Weeks of 1886.

No. of Week.	Week ending	Births. Total.	Males.	Femls.	Deaths.* Total.	Males.	Females	Mean Temperature of the Air.	Mean of the Highest Readings of the Thermometer.	Mean of the Lowest Readings of the Thermometer.	Dryness of Atmosphere.†	Fall of Rain in Inches.	Mean Hourly Amount of Horizontal Movement of the Air in each Week.	Sun above Horizon in Hours.	Registered Sunshine in Hours.
	1885.							°	°	°	°		Miles.		
1	Jan. 9	2653	1335	1318	1784	916	868	34·8	39·8	28·3	3·1	1·35	17·0	55·8	4·8
2	„ 16	2695	1363	1332	1904	943	961	36·5	40·3	31·9	3·8	1·13	16·0	57·4	8·1
3	„ 23	2667	1391	1276	1740	874	866	32·9	36·6	29·0	4·0	0·55	10·4	59·3	8·2
4	„ 30	2836	1419	1417	1769	860	909	36·6	42·5	30·9	3·0	0·42	11·0	61·8	13·9
5	Feb. 6	2800	1438	1362	1783	877	906	36·1	40·6	32·4	3·8	0·59	13·0	64·5	9·3
6	„ 13	2739	1363	1376	1983	972	1011	32·7	37·9	27·5	2·4	0·06	5·2	67·4	10·7
7	„ 20	2849	1512	1337	2035	1023	1012	35·1	37·8	33·2	2·3	0·07	11·1	70·5	0·0
8	„ 27	2712	1402	1310	1988	1006	982	32·2	37·7	26·9	4·9	0·01	7·2	73·7	7·2
9	March 6	2640	1392	1248	2146	1030	1116	32·7	38·3	28·7	5·7	0·30	14·2	76·9	8·9
10	„ 13	2697	1389	1308	2285	1122	1163	31·9	39·0	25·3	10·3	0·00	11·9	80·0	39·2
11	„ 20	2760	1366	1394	2413	1229	1184	37·9	46·2	30·9	5·2	0·16	9·4	83·3	8·8
12	„ 27	2731	1384	1347	2142	1058	1084	50·9	58·8	44·9	2·7	0·31	14·0	86·6	7·6
13	April 3	2698	1359	1339	1745	876	869	47·4	56·4	40·1	4·1	0·57	21·7	89·8	23·9
14	April 10	2700	1378	1322	1578	780	798	44·7	53·7	38·0	2·3	0·49	20·8	93·1	21·8
15	„ 17	2655	1342	1313	1572	829	743	43·7	52·8	37·1	5·1	0·10	10·5	96·2	16·6
16	„ 24	2505	1257	1248	1464	751	713	48·1	57·1	40·8	5·6	0·09	11·3	99·3	26·8
17	May 1	2515	1253	1262	1472	762	710	47·7	59·6	37·5	9·1	0·36	14·0	102·2	50·5
18	„ 8	2706	1374	1332	1491	803	688	55·2	70·0	40·0	14·8	0·00	6·0	105·0	63·3
19	„ 15	2424	1244	1180	1416	705	711	49·6	57·8	43·0	4·8	1·58	11·3	107·6	21·1
20	„ 22	2690	1340	1350	1381	708	673	55·3	64·8	47·0	5·7	0·52	13·4	110·1	21·0
21	„ 29	2431	1231	1200	1229	631	598	53·5	62·6	46·8	5·4	2·13	12·5	112·2	35·7
22	June 5	2537	1311	1226	1235	634	601	55·5	67·7	44·7	7·2	0·13	9·2	113·9	45·4
23	„ 12	2476	1287	1189	1277	666	611	57·9	70·4	47·4	7·5	0·11	8·0	115·1	59·9
24	„ 19	2287	1155	1132	1183	624	559	54·5	64·3	47·2	7·5	0·16	14·3	115·8	25·5
25	„ 26	2617	1321	1296	1222	657	565	59·0	70·8	49·4	10·4	0·04	13·7	116·1	45·9
26	July 3	2437	1246	1191	1258	659	599	64·5	79·0	49·9	13·2	0·00	6·2	115·4	80·3
27	July 10	2458	1208	1250	1540	812	728	66·5	80·4	54·3	14·6	0·02	7·3	114·4	59·1
28	„ 17	2626	1384	1242	1681	879	802	60·3	72·1	50·8	7·6	0·96	13·9	112·9	28·3
29	„ 24	2572	1338	1234	1716	895	821	64·9	75·6	55·8	8·7	0·58	12·5	111·1	48·2
30	„ 31	2701	1366	1335	1746	925	821	59·4	69·7	51·7	7·0	0·93	11·1	109·0	22·3
31	August 7	2336	1181	1155	1620	836	784	60·2	71·0	51·5	7·2	0·15	9·7	106·2	31·0
32	„ 14	2655	1367	1288	1505	793	712	61·0	70·7	54·6	5·9	0·67	10·4	103·6	27·3
33	„ 21	2528	1272	1256	1420	712	708	59·8	70·2	51·9	5·8	0·30	9·6	100·7	37·9
34	„ 28	2421	1249	1172	1458	745	713	64·4	78·0	55·6	5·9	0·00	8·6	97·6	37·2
35	Sept. 4	2332	1212	1120	1328	684	644	66·5	80·6	55·1	7·1	0·25	8·2	94·6	49·6
36	„ 11	2557	1318	1239	1312	684	628	60·1	72·0	51·2	5·5	0·55	12·3	91·3	39·6
37	„ 18	2589	1284	1305	1403	724	679	59·0	70·1	48·5	9·0	0·00	10·8	88·3	44·1
38	„ 25	2409	1208	1201	1273	668	605	54·2	64·0	46·5	8·2	0·00	10·3	85·0	19·2
39	October 2	2559	1331	1228	1350	714	636	58·5	67·8	51·1	6·2	0·45	14·7	81·8	24·1
40	October 9	2538	1304	1234	1365	741	624	58·8	67·7	51·7	3·6	0·52	6·6	78·6	17·3
41	„ 16	2456	1237	1219	1274	675	599	52·3	59·3	46·4	5·1	0·68	17·0	75·6	18·4
42	„ 23	2655	1347	1308	1406	714	692	49·2	56·2	42·7	2·8	0·07	7·7	72·4	6·6
43	„ 30	2685	1370	1315	1380	693	687	50·5	54·7	46·4	3·6	0·13	13·3	69·3	8·0
44	Nov. 6	2556	1322	1234	1332	686	646	48·9	55·4	42·4	3·0	1·19	12·8	66·4	10·4
45	„ 13	2565	1277	1288	1420	746	674	42·9	47·0	37·4	3·1	1·37	9·9	63·5	6·8
46	„ 20	2830	1454	1376	1385	756	629	45·8	51·9	38·8	3·5	0·41	12·3	61·1	5·3
47	„ 27	2462	1302	1160	1543	810	733	40·7	46·6	35·3	1·7	0·01	5·1	58·6	3·9
48	Dec. 4	2414	1242	1172	1618	812	806	37·3	42·5	31·6	6·4	0·30	13·1	56·7	7·6
49	„ 11	2485	1270	1215	1738	906	832	42·6	48·7	37·0	4·4	0·84	23·6	55·4	4·1
50	„ 18	2415	1238	1177	1499	763	736	38·3	42·5	34·9	3·1	0·67	14·5	54·4	2·1
51	„ 25	2675	1040	1035	1570	748	822	32·2	37·1	25·0	2·2	0·34	11·5	53·9	2·7
52	Jan.(1887)1	2364	1203	1161	1899	965	934	32·7	36·3	28·4	2·1	1·47	11·6	54·7	2·5

* Including deaths of London residents from small-pox in the Metropolitan Asylum Hospitals outside Registration London.
† The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature.

TABLE 27.—**Greenwich Meteorological Elements** for the Year 1886. By J. GLAISHER, Esq., F.R.S.

1884. Months.	Mean Reading of the Barometer.	Temperature of the Air. Highest by Day.	Lowest by Night.	Range in Month.	Mean of all Highest.	Mean of all Lowest.	Mean Daily Range.	Mean for the Month.	Departure from Average of 114 Years. (1771-1884.)	Mean Temperature of the Dew Point.	Mean Elastic Force of Vapour.	Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight required for Saturation.	Mean Degree of Humidity. Saturation = 100.	Mean Weight of a Cubic Foot of Air.	Relative Proportion of Wind. N.	E.	S.	W.	Mean Amount of Cloud.	Rain. Number of Days it fell.	Amount collected.
	in.	°	°	°	°	°	°	°	−°	°	in.	grs.	grs.		grs.							in.
January–	29·475	51·5	16·5	35·0	40·8	30·9	9·9	36·1	−0·4	32·7	·186	2·2	0·3	88	551	6	8	8	9	7·2	22	3·68
February	29·945	47·8	20·6	27·2	38·0	29·8	8·2	33·7	−5·0	30·2	·168	2·0	0·3	87	563	9	12	3	4	7·8	10	0·56
March –	29·792	64·1	29·3	43·8	47·3	33·5	13·8	39·6	−1·4	33·9	·195	2·4	0·5	80	553	4	11	8	8	7·5	15	1·14
April –	29·743	68·3	32·5	35·8	55·8	38·9	16·9	46·4	+0·3	41·1	·258	3·0	0·6	82	544	7	11	6	6	6·9	12	1·26
May –	29·758	78·9	39·1	49·8	64·0	43·6	20·4	53·3	+0·8	45·5	·305	3·4	1·1	76	537	2	12	9	8	6·8	15	4·23
June –	29·805	81·4	38·4	43·0	69·6	47·9	21·7	57·8	−0·4	48·9	·346	3·8	1·5	73	533	8	9	3	10	6·5	9	0·44
July –	29·747	89·8	45·4	44·4	75·0	52·8	22·2	63·0	+1·3	53·2	·404	4·5	1·9	72	526	4	3	14	10	6·5	13	2·51
August –	29·816	89·1	44·6	44·5	73·8	53·5	20·5	62·0	+1·1	55·5	·441	4·9	1·3	79	528	5	2	10	14	6·0	10	1·12
September	29·856	87·7	40·3	47·4	69·2	50·3	18·9	58·7	+2·1	52·0	·388	4·3	1·2	79	532	7	4	9	10	6·1	10	1·24
October –	29·618	79·2	38·0	41·2	60·5	47·1	13·4	53·3	+3·8	49·2	·351	3·9	0·6	86	534	3	8	12	8	7·4	14	1·41
November	29·732	59·1	26·9	32·2	49·5	38·0	11·5	44·0	+1·6	41·1	·258	2·9	0·4	89	547	5	5	9	11	7·0	15	3·02
December	29·522	54·1	17·3	36·8	41·4	31·2	10·2	36·5	−2·6	32·7	·186	2·2	0·4	86	551	7	3	9	12	6·0	18	3·60
Means	29·734	70·9	30·8	40·1	57·1	41·4	15·6	48·7	+0·1	43·0	·291	3·3	0·9	81	542	67	88 Sums.	100	110	6·8	163 Sum	24·21 Sum

TABLE 28.—METEOROLOGICAL TABLE FOR LONDON, 1886.

(Deduced from Observations, at Greenwich, under the Superintendence of the Astronomer Royal, and compiled from Quarterly Tables, furnished to the Registrar General by James Glaisher, Esq., F.R.S.)

Winter . . Jan., Feb., March. Spring . . April, May, June. Summer . . July, Aug., Sept. Autumn . . Oct., Nov., Dec.	Temperature of Air. Mean.	Temperature of Air. Diff. from Average of 115 Years.	Temperature of Air. Diff. from Average of 45 Years.	Temperature of Evaporation. Mean.	Temperature of Evaporation. Diff. from Average of 45 Years.	Temperature of Dew Point. Mean.	Temperature of Dew Point. Diff. from Average of 45 Years	Air—Daily Range. Mean.	Air—Daily Range. Diff. from Average of 45 Years.	Elastic Force of Vapour. Mean.	Elastic Force of Vapour. Diff. from Average of 45 Years.	Weight of Vapour in a Cubic Foot of Air. Mean.	Weight of Vapour in a Cubic Foot of Air. Diff. from Average of 45 Years.	Degree of Humidity. Mean (Sat^{n} = 100).	Degree of Humidity. Diff. from Average of 45 Years.	Reading of Barometer. Mean.	Reading of Barometer. Diff. from Average of 45 Years.	Weight of a Cubic Foot of Air. Mean.	Weight of a Cubic Foot of Air. Diff. from Average of 45 Years.	Rain. Amount.	Rain. Diff. from Average of 72 Years.	Reading of Thermometer on Grass. Number of Nights it was: At or below 30°.	Between 30° and 40°.	Above 40°.	Lowest Reading at Night.	Highest Reading at Night.
1886.	°	°	°	°	°	°	°	°	°	in.	in.	grs.	gr.			in.	in.	grs.	grs.	Sums. in.	Sums. in.	Sums.				°	°
YEAR .	48·7	+0·1	−0·7	45·9	−0·6	43·0	−0·6	15·6	0·0	·291	−·004	3·3	−0·1	81	−1	29·734	−·024	542	0	24·21	−1·85	90	141	134		15·0	58·2
First Quarter .	36·5	−2·3	−3·5	34·8	−3·3	32·3	−3·2	10·6	−1·2	·183	−·026	2·2	−0·2	85	+1	29·737	+·027	556	+3	5·38	+0·14	52	30	8		16·5	47·1
Second do. .	52·5	+0·2	−0·4	48·8	−0·2	45·2	−0·2	19·7	−0·3	·303	−·002	3·4	−0·1	77	−1	29·769	−·012	538	0	5·93	+0·14	8	50	33		18·8	50·2
Third do. . .	61·2	+1·5	+0·7	57·1	+0·8	53·6	+0·5	20·5	+0·9	·412	+·006	4·6	0·0	77	−1	29·806	+·014	529	−1	4·87	−2·43	0	19	73		31·0	58·2
Fourth do. . .	44·6	+0·9	+0·5	43·0	+0·4	41·0	+0·5	11·7	+0·7	·265	+·007	3·0	−0·1	87	−1	29·624	−·125	544	−3	8·03	+0·30	30	42	20		15·0	48·1

In this Table, + and − respectively signify that the number in the *preceding* column are *above* or *below* the average to the amount of the quantities to which these signs are prefixed.

TABLE 29.—**Houses, &c.** supplied, and **Average Daily Quantity of Water** DELIVERED, by the **London Water Companies** in each MONTH of the Year 1886.

COMPANIES.	NUMBER OF HOUSES, &c. SUPPLIED IN											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Houses supplied –	705,803	706,654	708,386	709,591	710,843	712,073	714,021	715,148	716,731	718,385	719,519	720,383
FROM THAMES - - - -	340,187	340,606	341,423	341,999	342,705	343,558	344,073	344,553	345,343	346,141	346,622	347,087
FROM LEA AND FROM OTHER SOURCES -	365,616	366,048	366,963	367,592	368,138	368,515	369,948	370,595	371,388	372,244	372,897	373,296
FROM THAMES.												
CHELSEA - - - - -	33,904	33,939	33,962	33,999	34,019	34,026	34,073	34,111	34,131	34,149	34,176	34,210
WEST MIDDLESEX - - -	67,204	67,204	67,348	67,462	67,596	67,822	67,822	67,822	68,003	68,242	68,355	68,486
SOUTHWARK AND VAUXHALL - -	105,437	105,579	105,725	105,878	106,087	106,293	106,450	106,622	106,826	107,002	107,105	107,191
GRAND JUNCTION - - -	51,608	51,665	51,886	51,992	52,113	52,235	52,309	52,411	52,524	52,640	52,711	52,794
LAMBETH - - - -	82,034	82,219	82,502	82,668	82,890	83,182	83,419	83,587	83,859	84,108	84,275	84,406
FROM LEA AND FROM OTHER SOURCES.												
NEW RIVER - - - - -	146,333	146,353	146,792	146,944	147,032	147,195	147,402	147,535	147,656	147,878	147,977	148,054
EAST LONDON - - - -	153,412	153,609	153,962	154,266	154,642	154,642	155,618	156,014	156,453	156,812	157,106	157,106
KENT - - - - -	65,871	66,086	66,209	66,382	66,464	66,678	66,928	67,046	67,279	67,554	67,814	68,136

COMPANIES.	AVERAGE DAILY SUPPLY OF WATER IN GALLONS DURING THE MONTHS OF											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Quantities supplied –	149,812,018	149,528,811	147,754,261	151,595,691	160,388,316	168,314,398	180,414,486	171,474,650	178,196,597	164,771,008	157,663,668	155,203,618
FROM THAMES - - - -	76,221,454	75,406,798	74,641,142	77,037,613	82,366,466	85,895,998	90,977,239	87,363,152	89,709,728	83,092,540	80,368,469	78,044,582
FROM LEA AND FROM OTHER SOURCES -	73,590,564	74,122,013	73,113,119	74,558,078	78,021,850	82,418,400	89,437,247	84,111,498	88,486,869	81,678,468	77,295,199	77,159,036
FROM THAMES.												
CHELSEA - - - - -	9,262,700	9,259,657	9,265,485	9,523,440	10,681,085	10,595,585	11,363,200	11,187,600	11,000,000	9,901,750	9,506,057	9,192,137
WEST MIDDLESEX - - -	13,716,882	13,625,882	13,542,590	13,968,319	14,814,637	15,653,713	16,869,242	15,675,436	16,289,370	14,912,862	14,395,135	14,034,050
SOUTHWARK AND VAUXHALL - -	21,130,011	21,178,520	21,659,290	21,681,459	21,841,976	22,918,386	24,421,139	23,823,687	24,344,551	23,582,942	23,104,263	22,015,873
GRAND JUNCTION - - -	15,672,261	15,293,839	14,973,177	15,632,095	16,901,568	18,300,114	18,801,358	17,956,429	18,163,707	17,200,586	16,389,314	15,598,322
LAMBETH - - - -	16,439,600	16,048,900	15,200,600	16,232,300	18,127,200	18,428,200	19,522,300	18,720,000	19,912,100	17,494,400	16,973,700	17,204,200
FROM LEA AND FROM OTHER SOURCES.												
NEW RIVER - - - - -	26,451,000	26,307,000	25,775,000	27,339,000	28,988,000	30,672,000	33,731,311	30,833,000	33,636,700	29,755,000	28,427,000	27,420,000
EAST LONDON - - - -	36,635,656	36,782,205	36,356,178	35,819,326	37,034,635	38,350,055	42,453,219	40,613,663	42,141,918	40,069,084	37,380,717	37,996,009
KENT - - - - -	10,503,908	11,032,808	10,981,941	11,399,752	11,999,215	13,396,345	13,252,717	12,664,835	12,708,251	11,854,384	11,487,482	11,743,027

Note.—The quantities of water in the above Table include the supply for various purposes other than for domestic consumption.

TABLE **30.—Houses, &c.** supplied, and **Average Daily Quantity of Water** DELIVERED for ALL PURPOSES and for DOMESTIC PURPOSES, by the **London Water Companies** during 1886.

WATER COMPANIES.	AVERAGE NUMBER of HOUSES supplied during the Year.	AVERAGE DAILY SUPPLY OF WATER DURING THE YEAR.				
		Delivered.		Used for Domestic purposes.†		
		Gallons.	Cubic Metres.*	Gallons.	Gallons per House.	
					1885.	1886.
Total - -	713,128	161,259,794	732,677	132,233,031	183	185
FROM THAMES - - - -	343,691	81,760,432	371,475	67,043,554	193	195
FROM LEA AND FROM OTHER SOURCES -	369,437	79,499,362	361,202	65,189,477	173	176
FROM THAMES.						
CHELSEA - - - - -	34,058	10,061,558	45,714	8,250,478	246	242
WEST MIDDLESEX - - -	67,781	14,791,510	67,205	12,129,038	174	179
SOUTHWARK AND VAUXHALL - -	106,349	22,641,841	102,872	18,566,310	177	175
GRAND JUNCTION - - -	52,241	16,740,231	76,059	13,726,989	251	263
LAMBETH - - - -	83,262	17,525,292	79,625	14,370,739	170	173
FROM LEA AND FROM OTHER SOURCES.						
NEW RIVER - - - -	147,263	29,111,251	132,266	23,871,226	163	162
EAST LONDON - - - -	155,303	38,469,389	174,784	31,544,899	197	203
KENT - - - - -	66,871	11,918,722	54,152	9,773,352	139	146
Columns - -	1.	2.	3.	4.	5.	6.

* A cubic metre is equal in volume to 35·3 cubic feet, or to 220·09668 imperial gallons. It is nearly equivalent to the old English *tun* of four hogsheads, holding 35·248 cubic feet. It is in general use on the Continent; and its volume of water weighs a metric *ton*, differing inconsiderably in weight from the *ton* in common use. It is equal to 100 decalitres: thus a decalitre equals 2·2009668 gallons.

† According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that during the year 1866 about 82 per cent. of the total supply of water for all purposes was for domestic use; this proportion has been applied in estimating the quantities for the year 1886 in columns 4, 5, and 6, showing the gallons probably used for domestic purposes. The average daily quantity of water supplied by the London Companies during the year 1886 was 161,259,794 gallons (732,677 cubic metres, equal to about as many *tuns* by measure, *tons* by weight), of which about 132,233,031 gallons (600,795 cubic metres) were probably used for domestic purposes. The average quantity used daily for domestic purposes in each house (see Col. 6) is equal to 84·1 decalitres, and corresponds to 23·8 gallons (10·8 decalitres) to each person. The Returns of the Water Companies include uninhabited houses.

REPORT on the ANALYSIS of the WATERS supplied by the METROPOLITAN WATER COMPANIES during the several MONTHS of the YEAR 1886. By Professor FRANKLAND, D.C.L., F.R.S., &c.

Grove House, Pembridge Square, W.,
5th February 1887.

SIR,

HEREWITH I have to report to you upon the results of the monthly chemical examination which I have made of the water supplied during the past year by the eight Metropolitan Water Companies. For the purposes of comparison I have also included the results of similar examinations which I have made of the supplies of the Colne Valley Water Company and of the Tottenham Local Board of Health.

The past year has been particularly favourable for studying the resources of the Metropolitan Water Supply. For, owing to the exceedingly variable nature of the weather experienced, the quality of the water in the rivers Thames and Lea, from which the supply is mainly drawn, suffered far greater fluctuations than during the two previous years, in which the meteorological conditions were in many respects exceptional. For the past year, however, the rainfall was considerably above the average during the months of January, May, and December, whilst in the remaining months it was almost invariably below ; thus during no less than a fourth part of the year the conditions were unfavourable to the purity of the river supply. Notwithstanding the prevalence of these unfavourable conditions during such a considerable fraction of the year, it is especially noteworthy that every sample of water collected from the mains in the Metropolis and submitted to examination, was clear, bright, and free from turbidity. The great improvement in this respect was specially referred to in my report for 1885, but, although the conditions in that year were more favourable than those of 1886, one slightly turbid sample was then discovered. The high efficiency of treatment and consequent general improvement in the quality of the river portion of the Metropolitan water supply which has been conspicuous for several years past, has therefore been more than maintained during the year 1886.

All the samples submitted to analysis were taken directly from the mains of the Companies at places recommended by their respective engineers. In addition to the chemical examination to which each sample has been subjected, the temperature of the water, as it issued from the mains, has been determined, and its appearance when viewed in a two-foot tube noted. The results of the thermal and chemical examinations are recorded in the accompanying Tables A. to L.

In Table A. the temperature of each sample at the time of collection from the main is recorded. This table shows that whilst there is but little difference in the mean temperature of the waters, whether derived from rivers or from wells the extremes of temperature observed in the two types of water are widely different. Thus whilst the temperature of the deep-well water is practically constant throughout the year, that of the river waters is subject to great fluctuations according to season, thus :—

The water (chiefly from the Thames) supplied by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies, varied in temperature from 2°·2 C. (36°·0 Fahr.) in March to 20°·2 C. (68°·4 Fahr.) in July.

The water (chiefly from the Lea) delivered by the New River and East London Companies ranged in temperature from 2°·8 C. (37 Fahr.) in March to 19°·2 C. (66°·6 Fahr.) in July.

The deep-well water distributed by the Kent Company varied from 11°·6 C. (52°·9 Fahr.) in December to 13°·5 C. (56°·3 Fahr.) in July.

The uniform temperature of the deep-well water possesses considerable advantages, for on the one hand the water remains refreshing and palatable in summer, whilst on the other the risk of frozen pipes is greatly diminished in winter.

Table B. records the total amount of solid matter present in 100,000 parts by weight of the waters respectively. This solid matter consists almost wholly of mineral ingredients, which are quite immaterial as regards the fitness of the waters for drinking. The salts of lime and magnesia, however, which constitute the chief part of these mineral matters, render the water hard and unfit for washing, and give rise to boiler incrustations when it is employed for steam purposes. A small proportion of the solid matter, however, is always organic in nature, and this, although quite insignificant as regards its absolute amount, is yet of the greatest importance when its possible origin is taken into consideration. It must be borne in mind that the rivers Thames and Lea necessarily receive above the intakes of the Metropolitan Companies a certain amount of animal matter derived partly from sewers, cesspools, and sewage works, and partly from manured land. Such animal substances may at any time be accompanied by matters capable of producing zymotic disease, and although the treatment which the water subsequently receives at the hands of the Water Companies is calculated greatly to diminish the risk of such morbific matter reaching the consumer, its entire removal is not guaranteed. It is therefore satisfactory to know that most of the companies drawing their supplies from these rivers are making serious efforts to diminish the volume of water taken *directly* from the streams. It is desirable, however, that this action of the water companies should be supplemented by the enforcement of the laws prohibiting the discharge of sewage into the Thames and Lea.

The largest amount of solid matter was present in the deep-well supplies of the Kent Company and of the Tottenham Local Board of Health, whilst the deep-well water furnished by the Colne Valley Company contained less than one-half of the solid matter in the river waters, and less than one-third of that in the other two deep-well waters.

Tables C. and D. contain the results of the determinations by combustion of the two principal ingredients of organic matter, carbon and nitrogen, which thus constitute a measure of the organic matter present in the water. From these tables it will be seen that the amount of organic matter in the river waters was very moderate during the months of March, May, June, July, August, September, October, and November, whilst during the remaining four months, and especially in December, the proportion was considerably greater. The organic matter in the New River Company's supply, however, remained inconsiderable throughout, and during half the year this supply was, as regards freedom from organic matter, second only to the best of the deep-well waters, even the average proportion of organic matter in the New River water being as small as that in the water of the Tottenham Local Board of Health.

The organic matter in the deep-well waters was almost uniformly small in quantity throughout the year.

Taking the mean proportion of organic impurity contained in the Thames water delivered in 1868 as 1,000, I find that in the subsequent years, 1886 included, the following proportions were present :—

Year.	Proportion of organic impurity present in Thames water as delivered in London.
1868	1,000
1869	1,016
1870	795
1871	928
1872	1,243
1873	917
1874	933
1875	1,030
1876	903
1877	907

Year.	Proportion of organic impurity present in Thames water as delivered in London.
1878	1,056
1879	1,165
1880	1,254
1881	993
1882	1,033
1883	850
1884	723
1885	839
1886	756

From these figures it will be seen that the average quality of the water supplied during the past year from the River Thames was, as regards freedom from organic matter, superior to that of any previous year, excepting 1884, since these systematic examinations were commenced by me in 1868.

Of the water drawn principally from the river Lea, that supplied by the New River Company invariably contained less organic matter than that of the East London Company, whilst the latter was generally superior in this respect to any of the Thames waters.

Taking, as before, the mean proportion of organic impurity in the Thames water supplied to the Metropolis in 1868 as 1,000, I find in that and the succeeding years, 1886 included, the following proportions in the water, chiefly drawn from the Lea, and sent out by the New River and East London Companies :—

Year.	Proportion of organic impurity present in Lea water as delivered in London.
1868	484
1869	618
1870	550
1871	604
1872	819
1873	693
1874	583
1875	751
1876	562
1877	596
1878	747
1879	947
1880	1,013
1881	765
1882	711
1883	620
1884	500
1885	603
1886	500

From the above figures it will be seen that in the case of the Lea water, also, the average proportion of organic matter was exceptionally small, the amount having only once fallen below, viz., in 1868.

The organic matter present in the deep-well water supplied to London, when measured by the same standard, was :—

Year.	
1868	254
1869	312
1870	246
1871	150
1872	221
1873	250
1874	287
1875	250
1876	246
1877	243
1878	323
1879	387
1880	393
1881	405
1882	409
1883	321
1884	264
1885	200
1886	244

Thus the average proportion of organic matter present in the deep-well water was less than one-third as great as that found in the Thames, and less than half of that present in the water of the Lea. It must be remembered, moreover, that the real superiority of the deep-well water is not fully indicated by these figures, for the process of filtration to which the deep-well water has been subjected in traversing the porous strata from which it has been derived is far more exhaustive than can be effected by the sand-filtration to which the river waters are submitted.

It must be mentioned that, although the Tottenham samples of water which have been examined were exclusively derived from the deep well belonging to the Local Board of Health, the district is, as I understand, supplied to a considerable extent from the mains of the East London Company.

In Table E. will be found the proportional amount of organic elements (organic carbon and organic nitrogen) in each of the waters, the average amount of these elements contained in the Kent Company's water during the nine years ending December 1876 being taken as unity. This table shows that the maximum, minimum, and average proportions of organic matter, as measured by this standard, present in the several waters, during 1886, were :—

Sources.		Maximum.	Minimum.	Average.
Deep wells	Kent	0·9	0·4	0·6
	Colne Valley	1·2	0·6	0·9
	Tottenham	1·9	1·2	1·5
River Lea	New River	2·4	0·8	1·5
	East London	4·9	1·3	2·6
River Thames	Chelsea	4·7	1·5	3·1
	West Middlesex	4·7	1·9	3·1
	Southwark	6·0	1·8	3·2
	Grand Junction	6·7	1·6	3·1
	Lambeth	4·5	1·9	3·0

From these figures it will be seen that of the deep well waters that supplied by the Kent Company contained the smallest proportion of organic matter, whilst of

the river waters, the New River Company's supply was the first in this respect, the East London Company's water also containing a smaller average proportion of organic matter than any of the Thames supplies.

The average proportion of organic matter was practically identical in all the five supplies derived from the Thames, but much more uniformity is observable in the case of the water of the Chelsea, West Middlesex, and Lambeth Companies, which are provided with extensive storage reservoirs, than in the case of the Southwark and Grand Junction Companies, who, in consequence of the very limited storage capacity they possess, are less independent of floods in the river. These two latter companies have, however, within the last few years constructed very important works by means of which much of the water which they obtain is subjected to natural filtration in the gravel beds adjoining the Thames, and it is doubtless in consequence of this improved method of filtration that they have been enabled to supply water of perfectly clear appearance even when the river was in a very impure and flooded state.

The following table exhibits the maximum amount of organic matter in the waters supplied from the Thames and Lea during the years 1868 to 1886 inclusive, the average of the samples from each source in the month of greatest impurity, being taken for comparison :—

MAXIMUM AMOUNT OF ORGANIC POLLUTION.

THAMES.			LEA.		
Year.	Elements of organic matter in parts per 100,000.	Months in which maximum pollution occurred.	Year.	Elements of organic matter in parts per 100,000.	Months in which maximum pollution occurred.
1868	·45	January.	1868	·27	February.
1869	·60	February.	1869	·33	February.
1870	·42	January.	1870	·30	January.
1871	·52	October.	1871	·22	February.
1872	·48	January & December.	1872	·39	December.
1873	·46	January.	1873	·33	January.
1874	·37	March.	1874	·21	March.
1875	·49	November.	1875	·28	November.
1876	·44	December.	1876	·24	March.
1877	·40	January.	1877	·30	January.
1878	·36	December.	1878	·26	June.
1879	·38	February.	1879	·33	July.
1880	·42	October.	1880	·33	February.
1881	·34	February.	1881	·34	February.
1882	·37	November.	1882	·26	December.
1883	·32	January.	1883	·24	December.
1884	·27	February.	1884	·20	March.
1885	·35	November.	1885	·28	December.
1886	·30	December.	1886	·21	February.

This table shows that in the case of the waters derived from both the Thames and the Lea the maximum amount of organic matter present was not only less than in 1885, but less than in any previous year, excepting 1884 in the case of the Thames, and excepting 1884 and 1874 in that of the Lea.

The greater freedom from an excessive proportion of organic matter which the river supplies now generally enjoy, in consequence of the protective measures which

have from time to time been adopted by the water companies, is still more strikingly apparent from the accompanying diagrams (A. & B.), in which the maximum and minimum proportions of organic matter annually present in each of the three classes of water since 1868 are represented by curves.

Tables F. and G. require no comment.

Table H. shows the total amount of combined nitrogen, both organic and mineral, present in each of the waters. This amount is of interest as, after making a small correction for the average quantity of combined nitrogen in rain water, it constitutes the whole evidence of the nitrogenous organic matter which the waters have received in the past as well as of those which are still present at the time of analysis. This total combined nitrogen suffers considerable reduction during the warmer months in river and surface water generally, owing to the presence of active vegetable life in this water under favourable conditions of temperature.

On this account it is only during the winter months that the proportion of total combined nitrogen found in the river waters can be viewed as in any respect an indication of the relative amounts of nitrogenous matters which have gained access to the water.

The deep-well waters, on the other hand, are not exposed to the influences of vegetable life, and the average proportion of total combined nitrogen may, therefore, be taken on the whole year.

Thus, in the following table, the average proportion of total combined nitrogen in the case of the Thames and Lea is given for the months of January, February, March, October, November, and December only, whilst in the case of the deep-wells it is calculated on the whole year :—

Year.	Thames.	Lea.	Deep-Wells.
1879	·281	·310	·317
1880	·276	·284	·294
1881	·260	·294	·306
1882	·258	·304	·294
1883	·259	·329	·353
1884	·244	·273	·301
1885	·233	·277	·292
1886	·319	·336	·355

From this Table it will be seen that the total combined nitrogen, which had suffered considerable reduction during the previous years, exhibited a noticeable increase in the past year. The increase in the case of the deep well water is partly accounted for by the abnormal composition of the Tottenham samples, which on several occasions contained a considerable proportion of nitrogen in the form of nitrates and nitrites, whilst this form of mineral nitrogen is generally wholly absent in the well-water of the Tottenham Local Board of Health. This recent anomalous composition of the Tottenham water has been repeatedly referred to in my monthly reports, but no satisfactory explanation of the cause has been furnished by the engineer to the Board.

Table I. records the proportion of chlorine present in each of the waters. The figures show that on no occasion has brackish or tidal water gained access to the supplies of the various companies. It is, however, noteworthy that in December the proportion of chlorine in the Grand Junction and Southwark waters was exceptionally high, but the occurrence was fully accounted for by a similarly large quantity being found in a sample of Thames water taken directly from the river on the same day at Hampton.

In Table K. the hardness of the several waters is recorded. The term "hardness" is used to denote the proportion of carbonate of lime, or its equivalent of other soap-destroying substances, present in 100,000 parts of water. The variations

in hardness for the several descriptions of water are exhibited in the following table:—

Year.	Thames.	Lea.	Kent.	Colne Valley.	Tottenham.
1881	19°·8	20°·8	28°·3	6°·2	24°·1
1882	20°·7	21°·1	28°·5	5°·5	25°·4
1883	19°·9	20°·6	28°·0	7°·1	22°·5
1884	19°·4	20°·1	28°·6	5°·2	19°·7
1885	18°·7	20°·0	27°·9	4°·8	20°·4
1886	19°·2	20°·3	29°·4	4°·5	21°·3

The hardness of the Metropolitan waters is of no consequence in respect of their fitness for drinking purposes, the superiority of a soft water, like that of the Colne Valley Company, however, comes into play and becomes a matter of first importance in nearly all the industrial uses of water. Thus in the washing of linen the economy effected by the use of soft water is very great indeed, for, since it is indispensable to have soft water for this purpose, if the water employed is initially hard it must be softened either by means of carbonate of soda or by the expenditure of a larger quantity of soap. By far the most economical method of softening water is by means of lime (Clark's process) which can be carried out on the large scale at a cost of about one-eightieth part of that which the use of extra soap entails on the consumer. The only water referred to in this report which is well fitted for washing and industrial purposes generally is that of the Colne Valley Company, which in its natural state is hard like that of the Kent Company, but which by treatment with lime has its hardness reduced before delivery to less than one-sixth of its original amount.

The hardness of the river supplies is also capable of similar reduction.

Table L., lastly, contains the averages, for the past year, of each determination already referred to, and thus furnishes a general review of the thermal and chemical quality of the water supplied by each Company during the year.

The results of my monthly observations respecting the efficiency of the filtration to which the water drawn from the Thames and Lea was subjected before distribution are summarized in the following Table, and, by way of comparison, the results of my first observations in 1868 are also recorded:—

Companies or Local Authorities.	Number of occasions when clear and transparent.		Number of occasions when slightly turbid.		Number of occasions when turbid.		Number of occasions when very turbid.	
Thames.	1868.	1886.	1868.	1886.	1868.	1886.	1868.	1886.
Chelsea	7	12	2	0	1	0	2	0
West Middlesex	12	12	0	0	0	0	0	0
Southwark	1	12	5	0	4	0	2	0
Grand Junction	9	12	2	0	1	0	0	0
Lambeth	6	12	1	0	2	0	3	0
Lea.								
New River	10	12	2	0	0	0	0	0
East London	3	12	8	0	1	0	0	0
Deep Wells.								
Kent	8	12	3	0	1	0	0	0
Colne Valley	–	12	–	0	–	0	–	0
Tottenham Local Board of Health	–	10	–	0	–	2	–	0

From this table it appears that every sample of river water examined during the past year was, without exception, clear and bright. This result is altogether unpre-

cedented throughout the entire series of years during which these systematic examinations have been made. Moreover, nothing can be more striking than the contrast which is presented in this respect by the river water supply of 1868, and that of the past few years. Thus in 1868 out of the same number of samples examined but little more than one half were "clear and transparent," whilst some were "very turbid," more "turbid," and a still larger number "slightly turbid." This marked improvement is entirely due to the greater care and superior methods of working which have been adopted by the several Companies to whom the water supply of the Metropolis is entrusted.

All the samples of the Kent and Colne Valley Companies deep well waters were clear and bright without having undergone any artificial filtration, but two samples from the Tottenham supply were turbid, and the sediment deposited by these turbid waters was found by microscopic examination to contain moving organisms.

I am, &c.
E. FRANKLAND.

The Registrar General, &c., &c.
Somerset House, W.C.

Table A.

Temperature (in Centigrade degrees) of the Metropolitan Waters, as delivered from the different Companies' Mains.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	4·1	3·6	2·8	8·8	11·7	16·2	17·5	18·3	15·2	13·2	11·5	6·5	10·8
	West Middlesex	4·4	4·1	3·0	10·6	14·5	17·4	20·2	20·0	15·9	13·3	11·5	6·8	11·8
	Southwark	4·3	4·4	3·6	9·7	14·1	17·2	19·5	19·3	15·9	12·7	10·5	6·7	11·5
	Grand Junction	2·7	3·4	2·2	8·9	14·4	16·5	20·0	19·3	14·4	12·2	10·3	6·1	10·9
	Lambeth	3·8	4·3	3·5	9·4	12·8	16·4	19·5	18·6	14·6	12·6	11·5	6·4	11·1
	Lea.													
	New River	4·2	4·1	3·2	9·7	12·7	16·3	19·2	18·8	14·5	12·5	10·4	5·9	11·0
	East London	4·2	3·6	2·8	9·8	12·7	16·3	19·2	19·0	15·0	12·5	10·6	5·8	11·0
	Deep Wells.													
	Kent	12·8	12·4	12·2	12·8	12·4	12·7	13·5	13·0	12·8	12·7	12·8	11·6	12·6
Outer Circle.	Colne Valley	—	—	—	—	—	—	—	—	—	—	—	—	—
	Tottenham Local Board	—	—	—	—	—	—	—	—	—	—	—	—	—

Table B.

Weight of Solid Matters in 100,000 parts of the Waters.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	32·40	29·74	30·98	28·30	27·12	28·16	27·30	24·52	23·40	24·64	27·54	29·96	27·84
	West Middlesex	30·44	30·54	30·72	28·94	27·04	27·90	26·30	24·76	24·16	26·46	28·60	30·30	28·01
	Southwark	30·90	32·26	31·10	29·82	26·30	27·24	25·18	26·06	25·20	29·34	29·60	28·84	28·49
	Grand Junction	31·74	31·38	30·44	29·50	26·42	27·54	26·80	25·48	24·72	28·40	29·40	28·90	28·39
	Lambeth	33·04	32·00	31·32	29·22	26·72	28·86	26·70	26·20	25·70	28·68	30·44	32·06	29·24
	Lea.													
	New River	32·36	31·70	29·32	27·54	24·66	26·16	25·60	25·82	27·60	30·06	28·00	31·16	28·33
	East London	37·04	34·50	33·12	27·82	27·94	29·76	27·34	24·80	25·80	29·56	30·70	34·46	30·24
	Deep Wells.													
	Kent	42·96	40·64	43·44	42·90	42·34	41·94	42·80	42·32	42·26	42·94	45·70	42·00	42·69
Outer Circle.	Colne Valley	13·40	14·30	12·76	14·46	13·50	13·80	14·24	13·50	12·64	11·40	13·16	12·98	13·34
	Tottenham Local Board	37·74	37·80	37·42	38·06	37·62	36·74	46·90	45·96	46·90	44·50	42·02	36·60	40·69

Table C.

Organic Carbon in 100,000 parts of the Waters.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Inner Circle.	Thames.													
	Chelsea	·230	·207	·170	·169	·152	·185	·093	·089	·089	·070	·147	·191	·149
	West Middlesex	·222	·212	·119	·211	·126	·161	·095	·108	·086	·095	·149	·226	·151
	Southwark	·254	·158	·127	·227	·106	·128	·095	·099	·087	·171	·169	·284	·159
	Grand Junction	·262	·162	·133	·208	·111	·108	·086	·115	·082	·135	·146	·344	·158
	Lambeth	·203	·143	·137	·205	·127	·124	·106	·093	·094	·141	·170	·230	·148
	Lea.													
	New River	·106	·105	·057	·120	·076	·062	·078	·061	·034	·037	·054	·103	·074
	East London	·183	·240	·147	·138	·144	·119	·108	·072	·066	·058	·079	·143	·125
	Deep Wells.													
	Kent	·029	·036	·027	·044	·023	·015	·038	·022	·025	·023	·025	·040	·029
Outer Circle.	Colne Valley	·035	·034	·050	·047	·049	·051	·038	·025	·025	·027	·050	·051	·040
	Tottenham Local Board	·075	·054	·078	·066	·078	·085	·094	·070	·074	·082	·090	·069	·073

Table D.

Organic Nitrogen in 100,000 parts of the Waters.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	·047	·048	·029	·031	·029	·047	·016	·023	·024	·016	·027	·041	·032
	West Middlesex	·047	·056	·023	·038	·026	·041	·016	·023	·024	·025	·029	·049	·033
	Southwark	·038	·033	·023	·039	·021	·038	·017	·019	·018	·036	·029	·068	·031
	Grand Junction	·054	·037	·023	·034	·021	·018	·017	·023	·011	·023	·025	·050	·028
	Lambeth	·047	·029	·024	·035	·024	·034	·015	·018	·017	·023	·024	·035	·027
	Lea.													
	New River	·024	·024	·015	·024	·009	·015	·013	·012	·011	·012	·013	·026	·017
	East London	·034	·047	·033	·028	·024	·030	·021	·017	·013	·016	·018	·030	·026
	Deep Wells.													
	Kent	·010	·017	·010	·011	·007	·008	·006	·010	·008	·008	·009	·009	·009
Outer Circle.	Colne Valley	·011	·012	·021	·010	·010	·013	·005	·010	·011	·010	·012	·012	·010
	Tottenham Local Board	·021	·015	·016	·016	·012	·021	·012	·017	·014	·029	·020	·018	·017

Table E.

Proportional Amount of Organic Elements, that in the Kent Company's Water during the Nine Years ending December 1876 being taken as 1.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	4·7	4·3	3·4	3·4	3·1	3·9	1·8	1·9	1·9	1·5	2·9	3·9	3·1
	West Middlesex	4·6	4·5	2·4	4·2	2·6	3·4	1·9	2·2	1·9	2·0	3·0	4·7	3·1
	Southwark	4·9	3·2	2·5	4·5	2·2	2·8	1·9	2·0	1·8	3·5	3·4	6·0	3·2
	Grand Junction	5·4	3·4	2·6	4·1	2·2	2·1	1·7	2·3	1·6	2·7	2·9	6·7	3·1
	Lambeth	4·2	2·9	2·7	4·1	2·6	2·7	2·1	1·9	1·9	2·8	3·3	4·5	3·0
	Lea.													
	New River	2·2	2·2	1·2	2·4	1·4	1·3	1·5	1·2	0·8	0·8	1·1	2·2	1·5
	East London	3·7	4·9	3·1	2·8	2·8	2·5	2·2	1·5	1·3	1·3	1·6	2·9	2·6
	Deep Wells.													
	Kent	0·7	0·9	0·6	0·9	0·5	0·4	0·7	0·5	0·6	0·5	0·6	0·8	0·6
Outer Circle.	Colne Valley	0·8	0·8	1·2	1·0	1·0	1·1	0·7	0·6	0·6	0·6	1·1	1·1	0·9
	Tottenham Local Board	1·6	1·2	1·6	1·4	1·4	1·8	1·3	1·5	1·5	1·9	1·9	1·5	1·5

Table F.

Ammonia in 100,000 parts of the Waters.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	0	0	0	0	·001	0	0	0	0	0	0	0	0
	West Middlesex	0	0	0	0	0	0	0	0	0	0	0	0	0
	Southwark	0	0	0	0	0	0	0	0	0	0	0	0	0
	Grand Junction	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lambeth	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lea.													
	New River	0	0	0	0	0	0	0	0	0	0	0	0	0
	East London	0	0	0	0	0	0	0	0	0	0	0	0	0
	Deep Wells.													
	Kent	0	0	0	0	0	0	0	0	0	0	0	0	0
Outer Circle.	Colne Valley	·003	0	·004	·002	0	·003	0	0	0	·002	·008	0	·002
	Tottenham Local Board	·070	·050	·075	·060	·060	·070	·015	·024	·015	·026	·030	·070	·047

Table G.

Nitrogen as Nitrates and Nitrites in 100,000 parts of the Waters.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	·283	·303	·338	·212	·196	·146	·241	·163	·144	·185	·197	·320	·227
	West Middlesex	·287	·316	·363	·212	·208	·177	·230	·158	·179	·166	·216	·314	·236
	Southwark	·302	·319	·336	·253	·203	·182	·219	·177	·188	·204	·222	·272	·240
	Grand Junction	·304	·323	·322	·206	·202	·195	·232	·168	·180	·196	·244	·259	·236
	Lambeth	·318	·402	·369	·286	·236	·241	·237	·197	·194	·223	·265	·331	·275
	Lea.													
	New River	·268	·331	·317	·249	·228	·150	·227	·197	·236	·230	·214	·417	·255
	East London	·371	·441	·410	·244	·207	·259	·252	·163	·150	·160	·213	·363	·269
	Deep Wells.													
Outer Circle.	Kent	·459	·444	·446	·454	·442	·387	·501	·452	·450	·605	·602	·645	·491
	Colne Valley	·382	·374	·367	·396	·324	·355	·345	·355	·333	·330	·325	·341	·352
	Tottenham Local Board	0	0	0	0	0	0	·415	·370	·356	·311	·289	0	·145

Table H.

Total combined Nitrogen in 100,000 parts of the Waters.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	·330	·351	·367	·243	·226	·193	·257	·186	·168	·201	·224	·361	·259
	West Middlesex	·334	·372	·386	·250	·234	·218	·246	·181	·203	·191	·245	·363	·269
	Southwark	·340	·352	·359	·292	·224	·220	·236	·196	·206	·240	·251	·340	·271
	Grand Junction	·358	·360	·345	·240	·223	·213	·249	·191	·191	·219	·269	·309	·264
	Lambeth	·365	·431	·393	·321	·260	·275	·252	·215	·211	·246	·289	·366	·302
	Lea.													
	New River	·292	·355	·332	·273	·237	·165	·240	·209	·247	·242	·227	·443	·272
	East London	·405	·488	·443	·272	·231	·289	·273	·180	·163	·176	·231	·393	·295
	Deep Wells.													
Outer Circle.	Kent	·469	·461	·456	·465	·449	·395	·507	·462	·458	·613	·611	·654	·500
	Colne Valley	·395	·386	·391	·408	·334	·370	·350	·365	·344	·342	·343	·353	·364
	Tottenham Local Board	·079	·056	·078	·065	·061	·079	·439	·406	·382	·361	·334	·076	·201

Table I.

Chlorine in 100,000 parts of the Waters.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	Thames.													
	Chelsea	1·6	1·6	1·7	1·7	1·6	1·7	1·6	1·7	1·7	1·7	1·8	1·7	1·7
	West Middlesex	1·7	1·6	1·7	1·6	1·6	1·6	1·6	1·7	1·7	1·7	1·8	1·8	1·7
	Southwark	1·7	1·6	1·8	1·6	1·6	1·6	1·6	1·7	1·7	2·0	1·8	2·3	1·8
	Grand Junction	1·8	1·6	1·7	1·7	1·6	1·6	1·7	1·7	1·7	1·9	1·8	2·4	1·8
	Lambeth	1·7	1·7	1·7	1·7	1·7	1·6	1·7	1·8	1·7	2·0	1·7	1·7	1·7
	Lea.													
	New River	1·7	1·8	1·8	1·7	1·6	1·7	1·8	1·7	1·7	1·8	1·7	1·7	1·7
	East London	1·8	1·9	1·9	1·9	1·9	1·8	1·9	1·9	1·8	1·9	1·8	1·9	1·9
	Deep Wells.													
Outer Circle.	Kent	2·5	2·5	2·5	2·5	2·5	2·6	2·6	2·6	2·5	2·4	2·6	2·6	2·5
	Colne Valley	1·8	1·8	1·9	1·8	1·7	2·0	1·9	1·9	1·8	1·8	1·7	1·8	1·8
	Tottenham Local Board	2·4	2·4	2·4	2·4	2·4	2·5	3·3	3·4	3·1	3·1	2·8	2·5	2·7

Table K.

DEGREES of HARDNESS (1 deg. = 1 part of carbonate of lime, or its equivalent,) in 100,000 parts of the WATERS.

	Companies or Local Authorities.	1886. Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea	20·9	18·9	19·1	17·7	18·0	17·1	19·4	17·7	18·3	17·4	19·1	21·8	18·8
	West Middlesex	20·0	18·9	20·0	18·0	16·9	17·4	20·0	18·3	18·6	18·9	20·0	21·5	19·0
	Southwark	19·1	19·7	19·7	18·0	17·1	16·9	18·6	20·0	19·4	20·0	20·6	20·3	19·1
	Grand Junction	19·7	19·7	19·7	18·0	17·4	17·2	20·0	19·4	18·9	20·0	20·9	20·6	19·3
	Lambeth	20·9	18·7	19·4	19·3	17·4	18·0	20·0	20·0	19·4	20·0	21·2	23·0	19·8
	LEA.													
	New River	22·1	20·0	19·1	17·4	16·6	17·1	19·7	19·7	20·6	23·0	20·6	23·0	19·9
	East London	23·3	21·5	20·3	17·7	17·7	19·1	20·9	19·1	19·4	22·1	22·4	25·1	20·7
	DEEP WELLS.													
	Kent	29·3	25·7	27·2	27·9	27·9	27·9	30·9	30·7	29·3	32·0	31·5	32·6	29·4
Outer Circle.	Colne Valley	4·9	4·7	4·6	4·7	4·0	4·0	4·7	4·9	4·0	4·3	5·0	4·6	4·5
	Tottenham Local Board	22·1	20·9	22·1	21·2	22·1	19·1	20·6	20·0	20·6	20·6	24·8	22·0	21·3

Table L.

Averages for 1886.

The numbers in this Table relate to 100,000 parts of each Water.

	Companies or Local Authorities.	Temperature in Centigrade Degrees.	Total Solid Matters.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Nitrates and Nitrites.	Total combined Nitrogen.	Chlorine.	Total Hardness.	Proportional Amount of Organic Elements that in the Kent Company's Water during the 9 years ending Dec. 1876 being taken as 1.
		°									
Inner Circle.	THAMES.										
	Chelsea	10·8	27·84	·149	·032	0	·227	·259	1·7	18·8	3·1
	West Middlesex	11·8	28·01	·151	·033	0	·236	·269	1·7	19·0	3·1
	Southwark	11·5	28·49	·159	·031	0	·240	·271	1·8	19·1	3·2
	Grand Junction	10·9	28·39	·158	·028	0	·236	·264	1·8	19·3	3·1
	Lambeth	11·1	29·24	·148	·027	0	·275	·302	1·7	19·8	3·0
	LEA.										
	New River	11·0	28·33	·074	·017	0	·255	·272	1·7	19·9	1·5
	East London	11·0	30·24	·125	·026	0	·269	·295	1·9	20·7	2·6
	DEEP WELLS.										
	Kent	12·6	42·69	·029	·009	0	·491	·500	2·5	29·4	0·6
Outer Circle.	Colne Valley	—	13·34	·040	·010	·002	·352	·364	1·8	4·5	0·9
	Tottenham Local Board	—	40·69	·073	·017	·047	·145	·201	2·7	21·3	1·5

NOTE.—The numbers in these tables may be converted into grains per imperial gallon, by multiplying them by 7, and then moving the decimal point one place to the left.

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Fires in London during the Year 1886.

Captain Eyre M. Shaw, Chief Officer of the Metropolitan Fire Brigade, reported to the Metropolitan Board of Works that the number of fires attended during 1886 was 2149, showing a decrease of 121 from the number in the preceding year, but being 246 above the average in the ten years 1876–85. The lives of 175 persons were seriously endangered, and 49 of these were lost. The numbers of lives lost by fires in London in the three preceding years were 39, 42, and 47 respectively.

The establishment of the Metropolitan Fire Brigade at the end of the year was distributed at 55 engine, 26 hose cart, 127 escape, and 4 floating stations. The number of fire engines at these stations was 163, showing a decrease of 7 from the number in the previous year; 4 were floating steam engines, 45 land steam engines, and 114 manual engines. The strength of the brigade was 589 of all ranks, including the chief officer and the superintendents, and corresponded with the strength in the previous year. The cases of injury occurring in the brigade during the year were 90, against 92, 142, and 117 in the three previous years.

Number of **Fires** and of **False Alarms** attended during the Thirteen Years 1874–86, and in each Month of 1886.

Years and Months.	Total Calls.	False Alarms and Chimneys.	Fires.				
			Serious.	Slight.	Total.	Per-centages.	
						Serious.	Slight.
1874	1750	177	154	1419	1573	9·8	90·2
1875	1668	138	163	1366	1529	10·7	89·3
1876	1787	155	166	1466	1632	10·2	89·8
1877	1708	175	159	1374	1533	10·4	89·6
1878	1881	222	170	1489	1659	10·2	89·8
1879	1949	231	159	1559	1718	9·3	90·7
1880	2194	323	162	1709	1871	8·7	91·3
1881	2376	385	167	1824	1991	8·4	91·6
1882	2341	415	164	1762	1926	8·5	91·5
1883	2630	486	184	1960	2144	8·6	91·4
1884	2806	517	194	2095	2289	8·5	91·5
1885	2851	581	160	2110	2270	7·0	93·0
1886	2853	704	152	1997	2149	7·1	92·9
1886. January	188	37	14	137	151	9·3	90·7
February	216	44	18	154	172	10·5	89·5
March	225	50	8	167	175	4·6	95·4
April	200	49	14	137	151	9·3	90·7
May	250	85	14	151	165	8·5	91·5
June	251	83	13	155	168	7·7	92·3
July	282	82	17	183	200	8·5	91·5
August	267	71	15	181	196	7·7	92·3
September	252	46	8	198	206	3·9	96·1
October	224	51	7	166	173	4·0	96·0
November	201	42	8	151	159	5·0	95·0
December	297	64	16	217	233	6·9	93·1

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